STR-K700

SERVICE MANUAL

US Model
Canadian Model

Ver. 1.0 2006.01

- STR-K700 is the tuner and the amplifier section in HT-DDW700.

Manufactured under license from Dolby Laboratories.
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“DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code US only)
With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 85 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power Output[1)]
Models of area code US
(6 ohms 1 kHz, THD 10%)
FRONT[2)] : 133 W/ch
CENTER[2)]: 133 W
SUR[2)] : 133 W/ch
(6 ohms 100 Hz, THD 10%)
SUB WOOFER[2)]: 135 W

Models of area code Canadian
(6 ohms 1 kHz, THD 0.7%)
FRONT[2)] : 85 W/ch
CENTER[2)]: 85 W
SUR[2)] : 85 W/ch
(6 ohms 100 Hz, THD 0.7%)
SUB WOOFER[2)]: 85 W
(6 ohms 1 kHz, THD 10%)
FRONT[2)] : 133 W/ch
CENTER[2)]: 133 W
SUR[2)] : 133 W/ch
(6 ohms 100 Hz, THD 10%)
SUB WOOFER[2)]: 135 W

1) Measured under the following conditions:

Power requirements
120 V AC, 60 Hz

2) Depending on the sound field settings and the source, there may be no sound output.

Inputs (Analog)

SA-CD/CD, DVD, VIDEO 1, 2	Sensitivity: 800 mV Impedance: 50 k ohms

Inputs (Digital)

DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO 2 (Optical)	Sensitivity: – Impedance: –

Reproduction frequency range:
28 – 20,000 Hz

Tone

Gain levels	±6 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range
With 10-kHz tuning scale: 530 – 1,710 kHz[3)]
With 9-kHz tuning scale: 531 – 1,710 kHz[3)]

3) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down DIMMER, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-887-073-01
2006A1678-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY

General

Power requirements

120 V AC, 60 Hz

Power consumption

Area code	Power consumption
US	210 W
Canadian	290 VA

Power consumption (during standby mode)
0.2 W

Dimensions (w/h/d) (Approx.)
17 × 5 6/8 × 12 1/8 inches including projecting parts and controls

Mass (Approx.) 16 lb 9 oz

Design and specifications are subject to change without notice.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

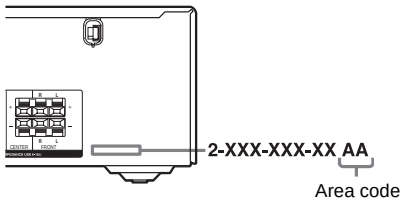
: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

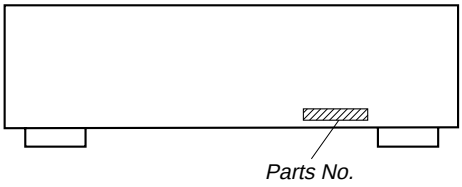
About area codes

The area code of the receiver you purchased is shown on the lower right portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, “Models of area code AA only”.

MODEL IDENTIFICATION
– Rear Panel –



Model	Part No.
US model	2-661-458-0□
Canadian model	2-661-458-1□

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

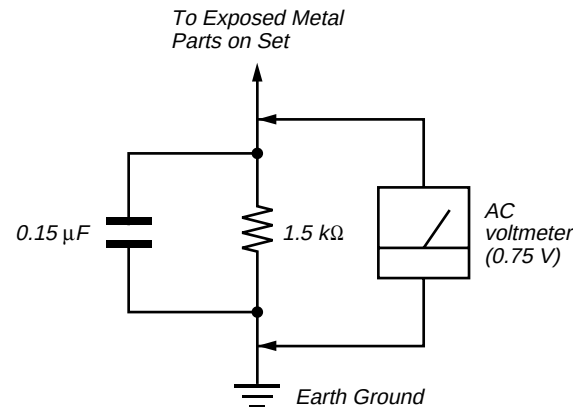


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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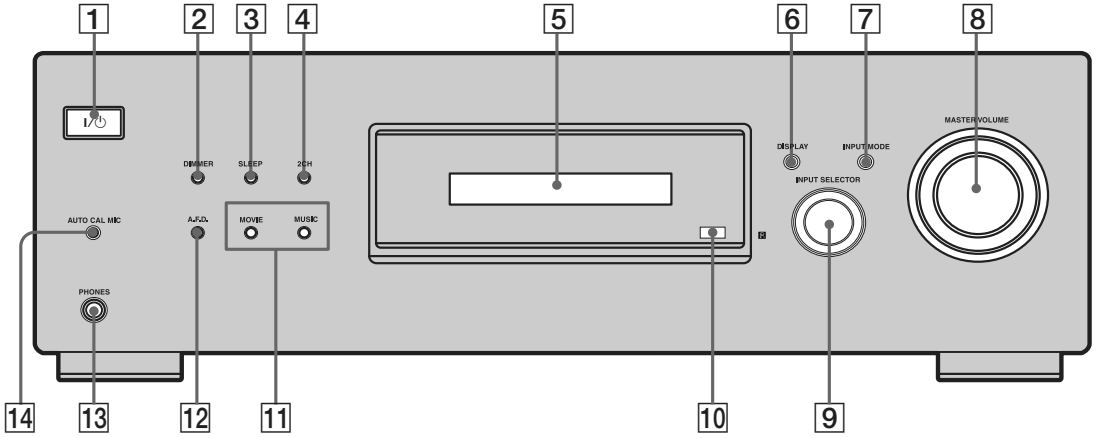
SECTION 1
GENERAL

This section is extracted from instruction manual.

Receiver

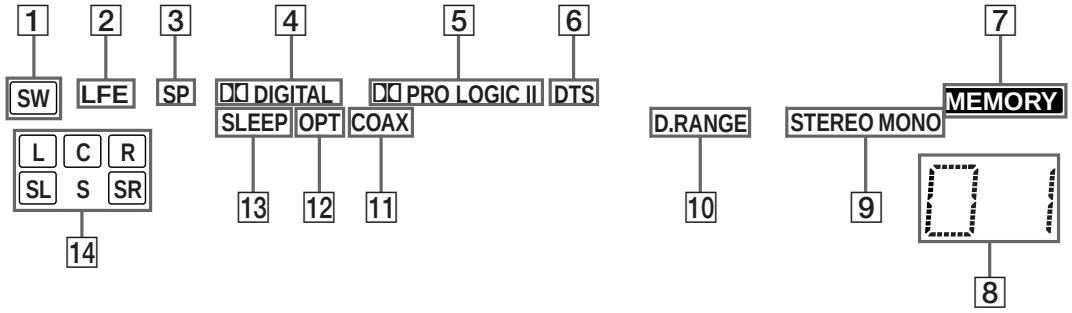
Front panel



Name	Function
1 **I/⏻**	Press to turn the receiver on or off.
2 **DIMMER**	Press to adjust the brightness of the display.
3 **SLEEP**	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
4 **2CH**	Press to select 2CH STEREO mode.
5 **Display**	The current status of the selected component or a list of selectable items appears here.
6 **DISPLAY**	Press to select information displayed on the display.
7 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks.

Name	Function
8 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.
9 **INPUT SELECTOR**	Turn to select the input source to playback.
10 **Remote sensor**	Receives signals from remote commander.
11 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC).
12 **A.F.D.**	Press to select A.F.D. mode.
13 **PHONES jack**	Connects to a headphone.
14 **AUTO CAL MIC jack**	Connects to the supplied ECM-AC2 optimizer microphone for the Auto Calibration function.

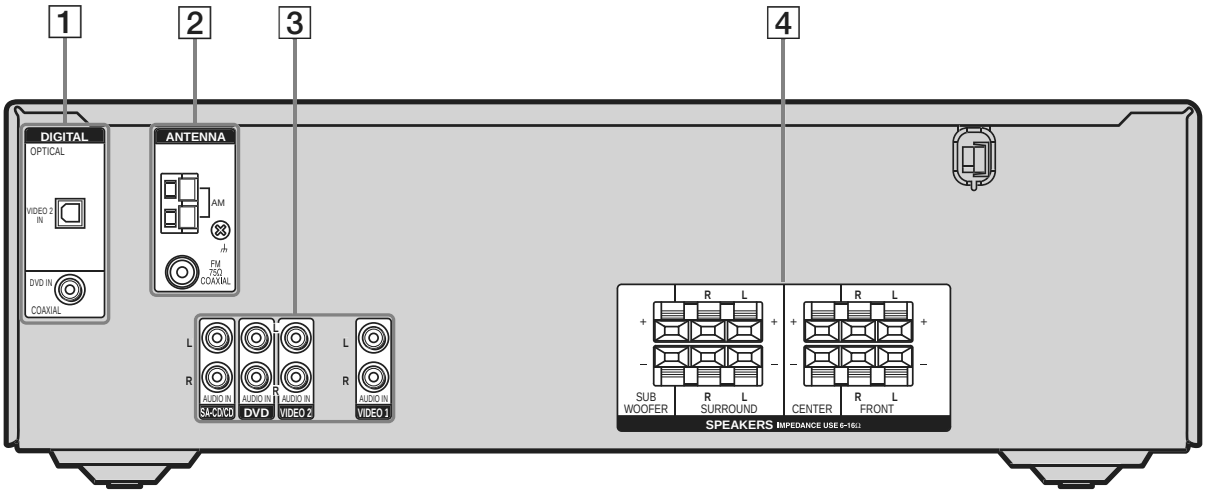
About the indicators on the display



Name	Function
1 **SW**	Lights up when audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **SP**	Lights up when the receiver is turned on. This indicator does not light up if a headphone is connected to the PHONES jack.
4 **DD DIGITAL**	Lights up when Dolby Digital signals are input. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG".
5 **DD PRO LOGIC (II)**	"DD PRO LOGIC" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "DD PRO LOGIC II" lights up when the Pro Logic II Movie/Music decoder is activated. **Note** Dolby Pro Logic and Dolby Pro Logic II decoding do not function for DTS format signals.
6 **DTS**	Lights up when DTS signals are input. **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG".

Name	Function
7 **MEMORY**	Lights up when a memory function, such as Name Input, Preset Memory , etc., is activated.
8 **Preset station indicators**	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations.
9 **Tuner indicators**	Lights up when using the receiver to tune in radio stations, etc.
10 **D.RANGE**	Lights up when dynamic range compression is activated.
11 **COAX**	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" .
12 **OPT**	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN".
13 **SLEEP**	Lights up when the Sleep Timer function is activated.
14 **Playback channel indicators**	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound. **L** Front Left **R** Front Right **C** Center (monaural) **SL** Surround Left **SR** Surround Right **S** Surround (monaural or the surround components obtained by Pro Logic processing) **Example:** Recording format (Front/Surround): Dolby Digital 3/2.1 Sound Field: A.F.D. AUTO SW LFE L C R SL SR

Rear panel



1 DIGITAL INPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound .
	COAXIAL IN jack	

2 ANTENNA section

	FM ANTENNA	Connects to the FM wire antenna supplied with this receiver .
	AM ANTENNA	Connects to the AM loop antenna supplied with this receiver .

3 AUDIO INPUT section

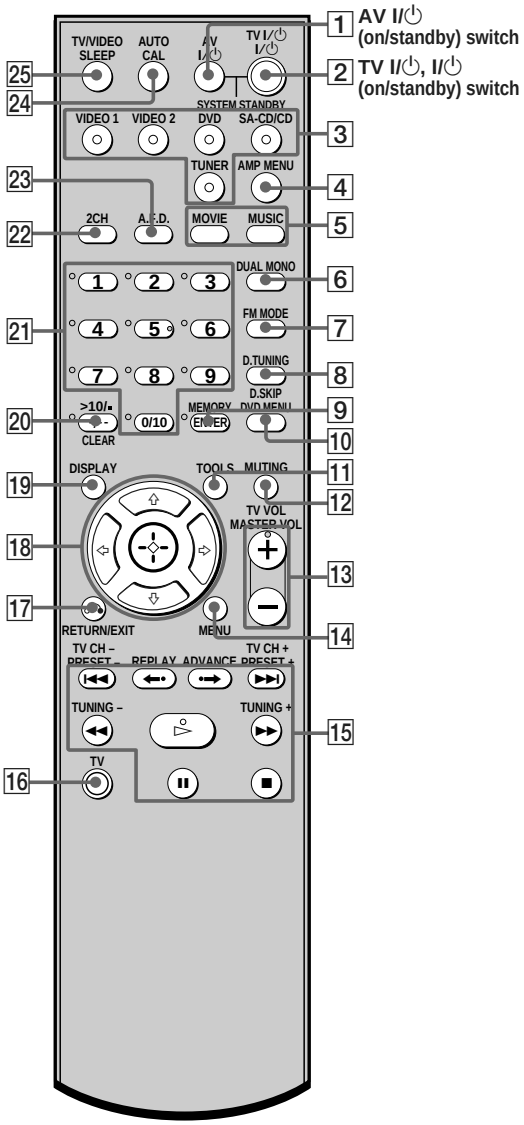
White (L)	AUDIO IN jack	Connects to a CD player, etc.
Red (R)		

4 SPEAKER section

+	Connects to the speakers and sub woofer.
–	

Remote commander

You can use the supplied remote RM-AAU006 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.



Name	Function
1 **AV I/⏻**	Press to turn on or off the Sony audio/video components that the remote is assigned to operate. If you press **I**/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). **Note** The function of the AV **I**/⏻ switch changes automatically each time you press the input buttons (3).
2 **TV I/⏻**	Press TV **I**/⏻ and TV (16) at the same time to turn the TV on or off.
I/⏻	Press to turn the receiver on or off. To turn off all components, press **I**/⏻ and AV **I**/⏻ (1) at the same time (SYSTEM STANDBY).
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in “Changing button assignments”.
4 **AMP MENU**	Press to display the menu of the receiver. Then, use the control buttons to perform menu operations.
5 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC).

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
DVD	DVD player
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner

Name	Function
6 **DUAL MONO**	Press to select the language you want during digital broadcast.
7 **FM MODE**	Press to select FM monaural or stereo reception.
8 **D.TUNING**	Press to enter direct tuning mode.
D.SKIP	Press to skip disc of the CD player or DVD player (multi-disc changer only).
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a station.
10 **DVD MENU**	Press to display the menu of the DVD player on the TV screen. Then, use the control buttons to perform menu operations.
11 **TOOLS**	Press to display options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles).
12 **MUTING**	Press to mute the sound.
13 **TV VOL +*/–**	Press TV VOL +/– and TV (16) at the same time to adjust the TV volume level.
MASTER VOL +*/–	Press to adjust the volume level of all speakers at the same time.
14 **MENU**	Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then, use the control buttons to perform menu operations.

Name	Function
15 **⏮/⏭**	Press to skips tracks of the CD player, DVD player, or tape deck.
REPLAY ⬅·/ ADVANCE ·➡	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
◀◀/▶▶	Press to search tracks in the forward/backward direction of the DVD player or to fastforward/rewind of the VCR, CD player, or tape deck.
▷*	Press to start playback of the VCR, CD player, DVD player, or tape deck.
II	Press to pause playback or recording of the VCR, CD player, DVD player, or tape deck. (Also starts recording with components in recording standby.)
■	Press to stop playback of the VCR, CD player, DVD player, or tape deck.
TV CH +/–	Press TV CH +/– and TV (16) at the same time to select preset TV channels.
PRESET +/–	Press to select preset stations or preset channels of the VCR or satellite tuner.
TUNING +/–	Press to scan a station.
16 **TV**	Press TV and the button you want at the same time to activate the buttons with orange printing.
17 **RETURN/ EXIT ↶**	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
18 **Control buttons**	After pressing AMP MENU (4), DVD MENU (10), or MENU (14), press the control button ↑, ↓, ← or → to select the settings. When you press DVD MENU or MENU, press the control button to enter the selection.

Name	Function
19 **DISPLAY**	Press to select the information displayed on the TV screen of the VCR, satellite tuner, CD player or DVD player.
20 **-/--**	Press -/-- and TV (16) at the same time to select the channel entry mode, either one or two digits of the TV.
>10/▪	Press to select track numbers over 10 of the VCR, satellite tuner or CD player or to select channel numbers of the Digital CATV terminal.
CLEAR	Press to clear a mistake when you press the incorrect numeric buttons or to return to continuous playback, etc. of the satellite tuner or DVD player.
21 **Numeric buttons (number 5*)**	Press to preset/tune to preset stations or to select track numbers of the CD player or DVD player or to select channel numbers of the VCR or satellite tuner. Press 0/10 to select track number 10. Press the numeric buttons and TV (16) at the same time to select the TV channels.
22 **2CH**	Press to select 2CH STEREO mode.
23 **A.F.D.**	Press to select A.F.D. mode.
24 **AUTO CAL**	Press to activate the Auto Calibration function.
25 **TV/VIDEO**	Press TV/VIDEO and TV (16) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.

* The number 5, MASTER VOL +, TV VOL +, and ▷ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

Notes

Some functions explained in this section may not work depending on the model.
The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

SECTION 2
TEST MODE

FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the 2CH and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. The message “FACTORY” appears and the present contents are reset to the default values.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

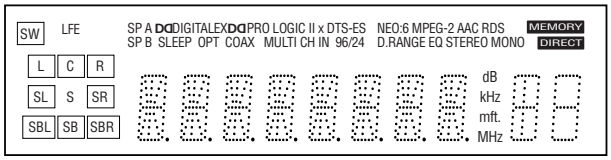
1. Set the FUNCTION to AM. Turn off the main power.
2. While depressing the DIMMER button, press the power I/⏻ button to turn on the main power.
3. Either the message “9 k STEP” or “10 kSTEP” appears. Select the desired step.

FLUORESCENT INDICATOR TUBE TEST MODE

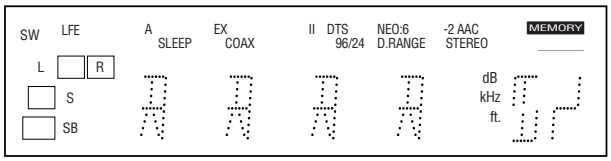
All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

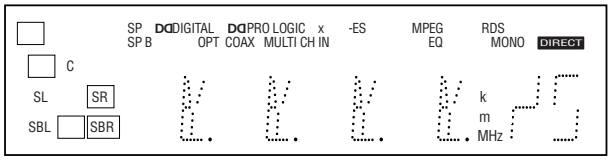
1. While depressing the 2CH and the MUSIC buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. All segments turn on.



3. Turn the INPUT SELECTOR dial.



4. Turn the INPUT SELECTOR dial once again.



5. Turn the INPUT SELECTOR dial once again. All segments turn off.

6. Every turning of the INPUT SELECTOR dial turns on each segment one after another in the same order.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While depressing the MUSIC button, press the power I/⏻ button to turn on the main power.
2. The message “SF. CLR.” appears and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

The software version is displayed.

Procedure:

1. While depressing the A.F.D. and the MOVIE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. The model name, destination and the software version are displayed.

KEY CHECK MODE

Button check

Procedure:

1. While depressing the A.F.D. and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
   “REST 08” appears.
2. Every pressing of any button other than I/⏻ counts down the buttons. The buttons which are already counted once are not counted again.
3. When all buttons are pressed “REST 00” appears.

CHANGE COMMON MODE

This mode is command mode changed to AV 1 or AV2.

Procedure:

1. While depressing the MOVIE button, press the power I/⏻ button to turn on the main power.
2. Either the message “C.MODE.AV 1” or “C.MODE.AV 2” appears.

SHIPMENT MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the SLEEP and the MOVIE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “CLEARED” appears and switch off the set.

PROTECTOR

Procedure:

1. While depressing the DIMMER and the MUSIC buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “PROT. EVER” appears and switch off the set.

DECODE AUTO ALL

Procedure:

1. While depressing the SLEEP and the INPUT MODE buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. “DEC. TEST” appears and switch off the set.

SECTION 3
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

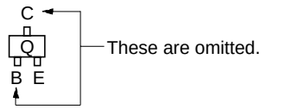
- : B+ Line.
- : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  - : FM
  - : ANALOG
  - : DIGITAL

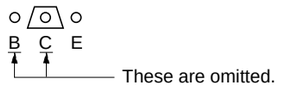
For Printed Wiring Boards.
Note:

- : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.

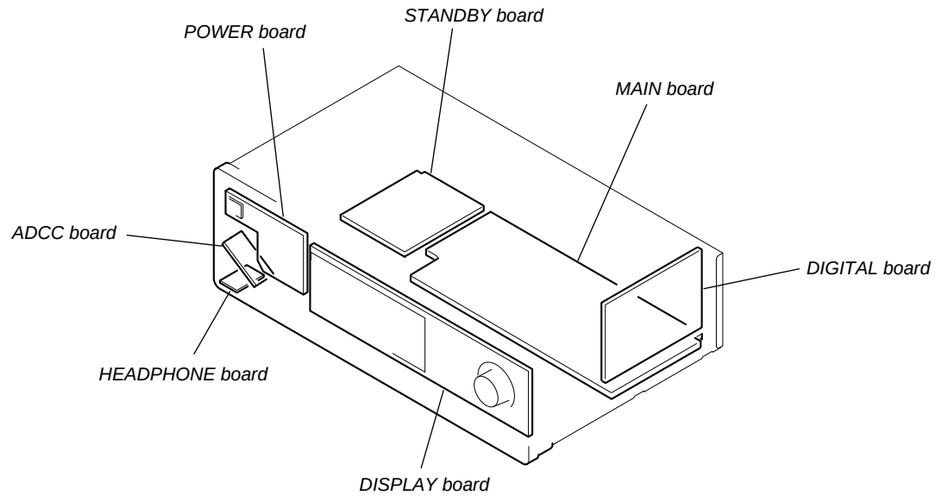
Caution:	
Pattern face side: (Side A)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side B)	Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor.





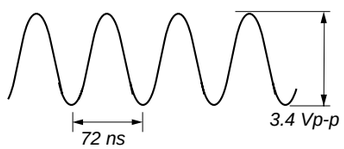
- **Circuit Boards Location**



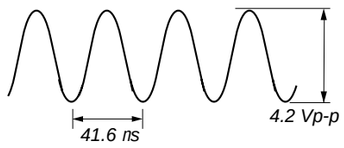
- **Waveforms**

– DIGITAL Board –

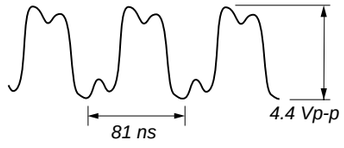
① IC1501 ⑨ (MCLK1)



② IC1101 ㉝ (X1)

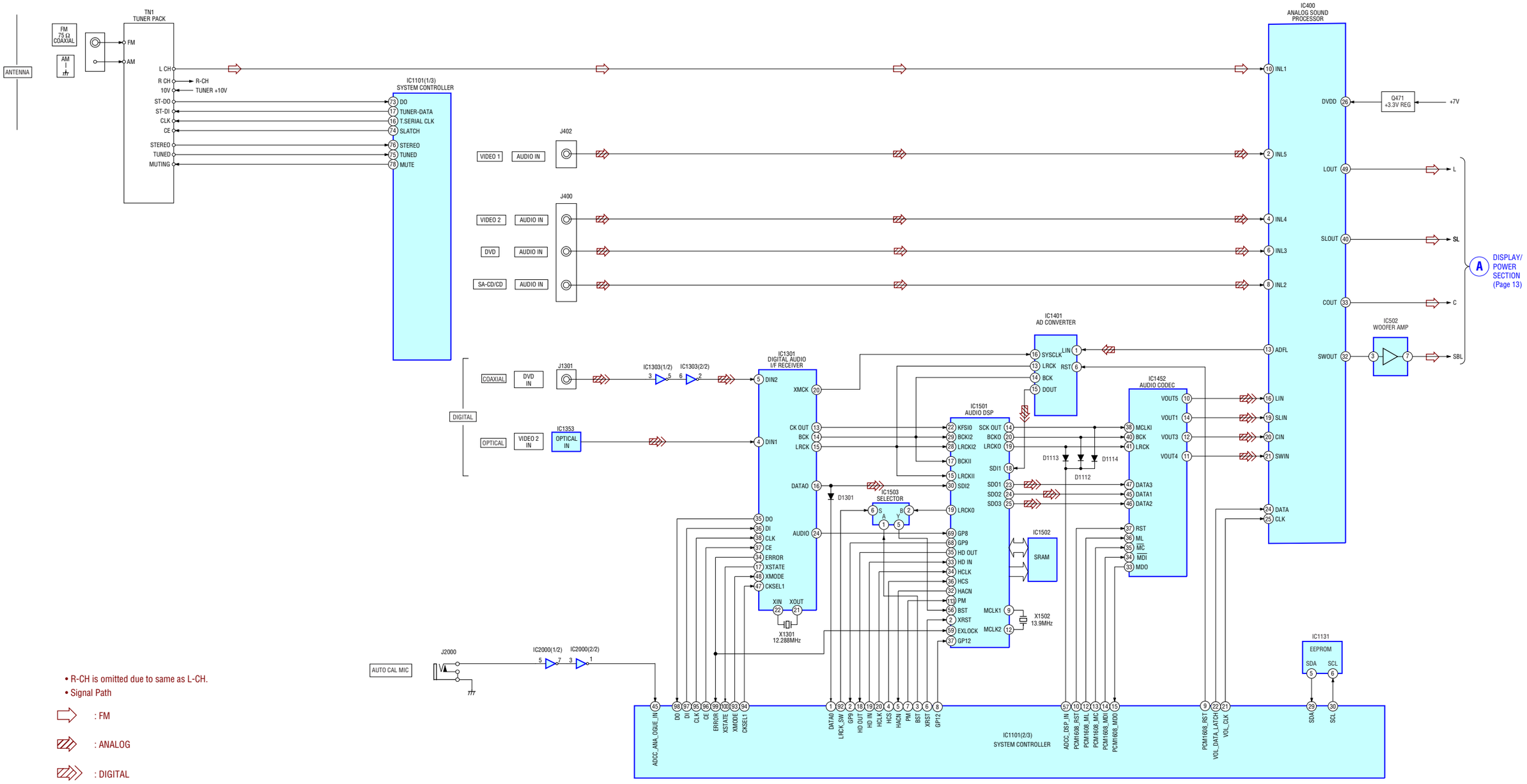


③ IC1301 ㉒ (XIN)



STR-K700

3-1. BLOCK DIAGRAM – MAIN SECTION –



- R-CH is omitted due to same as L-CH.
- Signal Path

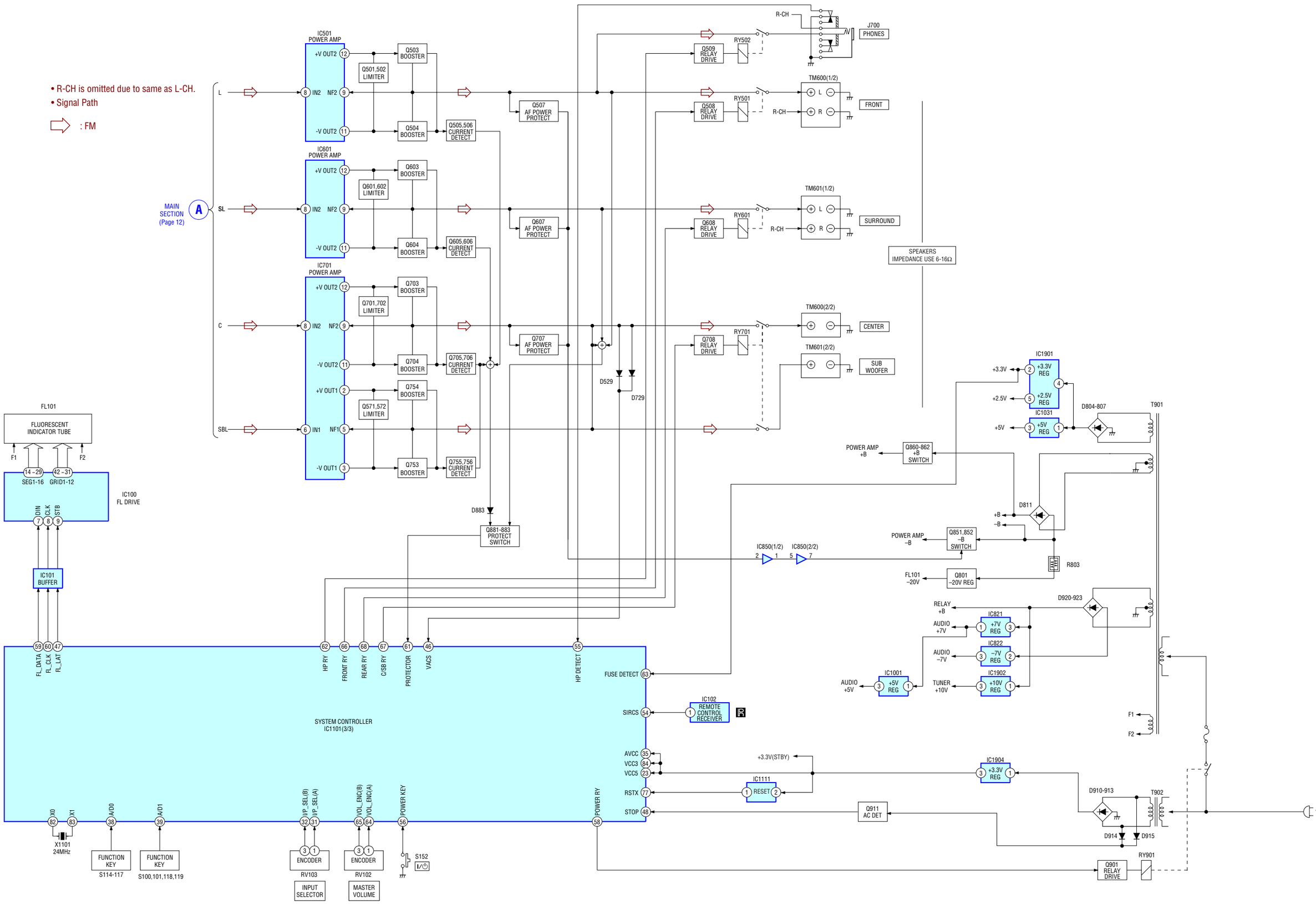
: FM

: ANALOG

: DIGITAL

3-2. BLOCK DIAGRAM – DISPLAY/POWER SECTION –

• R-CH is omitted due to same as L-CH.
• Signal Path
: FM

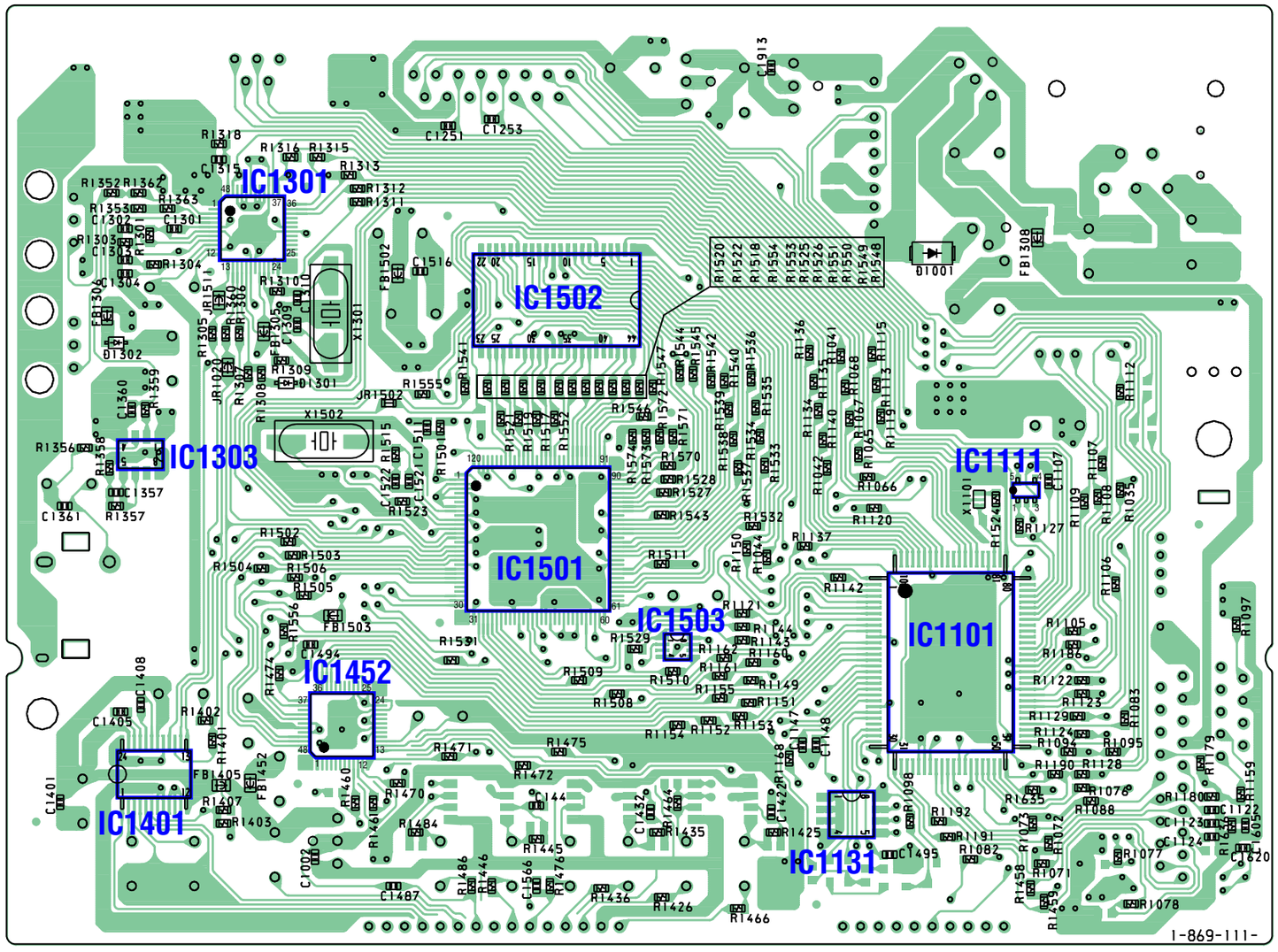


3-3. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE A) –

• See page 11 for Circuit Boards Location.

:Uses unleaded solder.

【DIGITAL BOARD】(SIDE A)



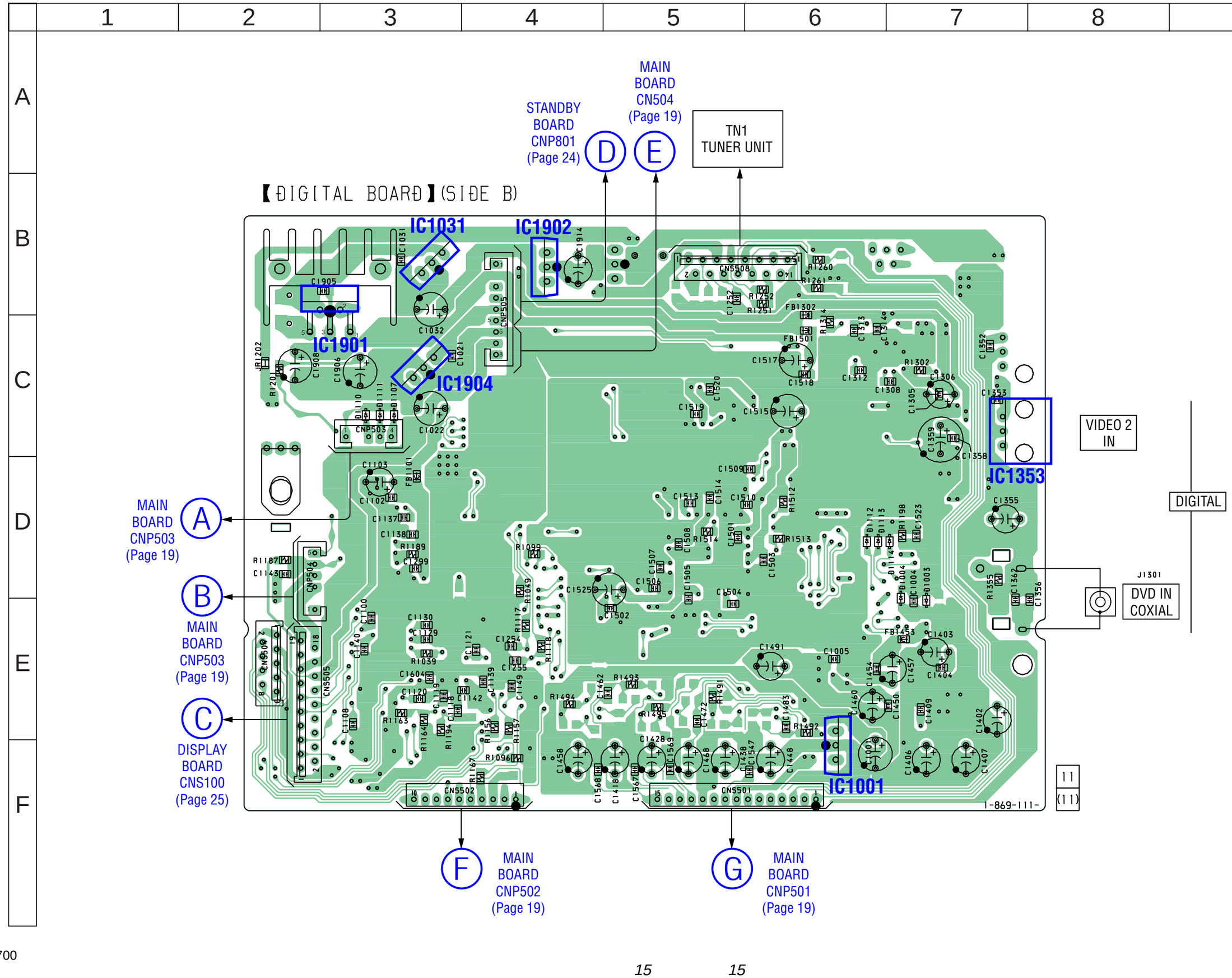
- **Semiconductor Location**

Ref. No.	Location
D1001	B-5
D1301	C-2
D1302	C-2
IC1101	D-5
IC1111	C-6
IC1131	E-5
IC1301	B-2
IC1303	C-2
IC1401	E-2
IC1452	D-3
IC1501	D-4
IC1502	B-4
IC1503	D-4

3-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) –

• See page 11 for Circuit Boards Location.

:Uses unleaded solder.

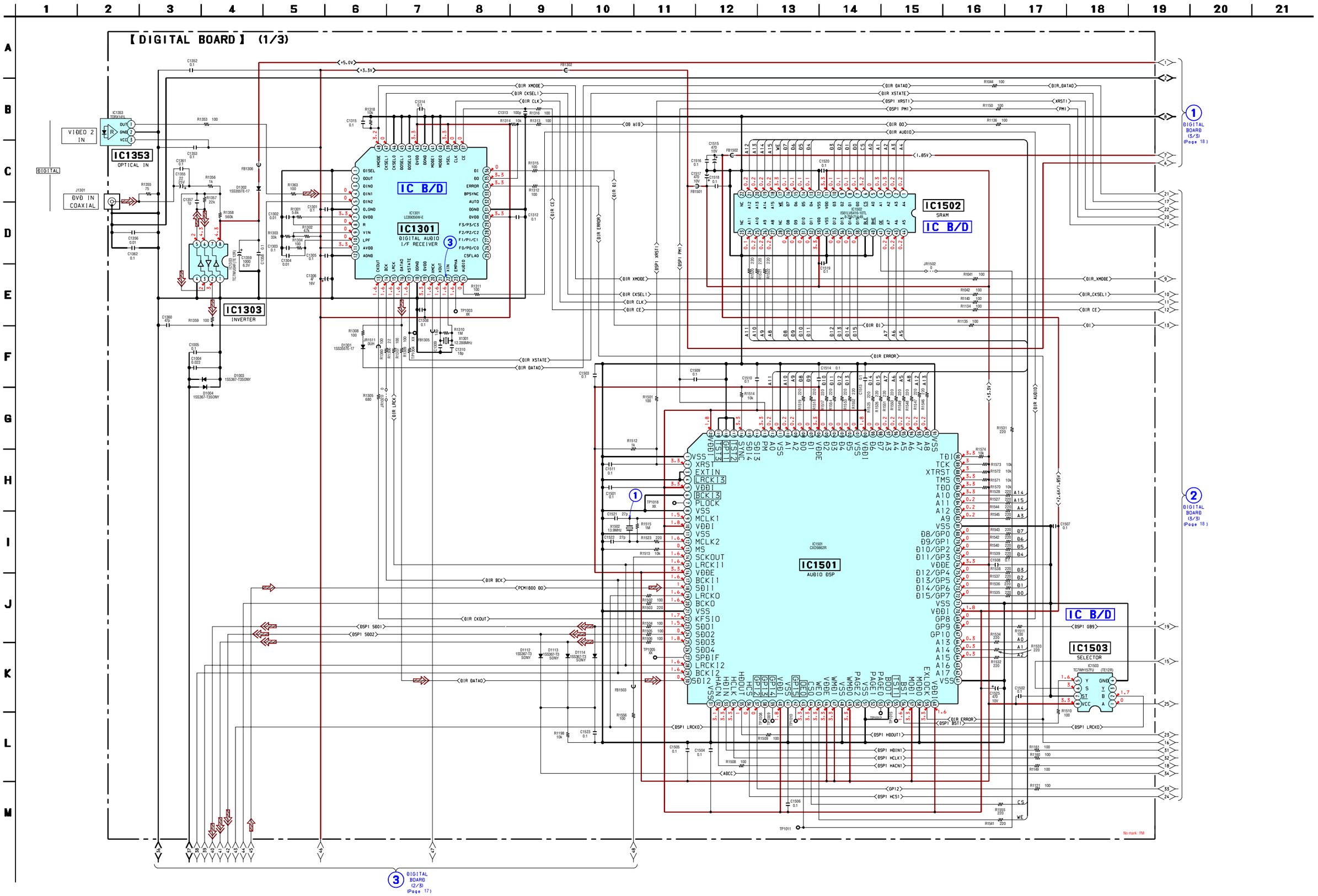


- **Semiconductor Location**

Ref. No.	Location
D1003	D-7
D1004	D-7
D1107	C-3
D1110	C-3
D1111	C-3
D1112	D-6
D1113	D-6
D1114	D-7
IC1001	F-6
IC1031	B-3
IC1353	C-7
IC1901	C-3
IC1902	B-4
IC1904	C-3

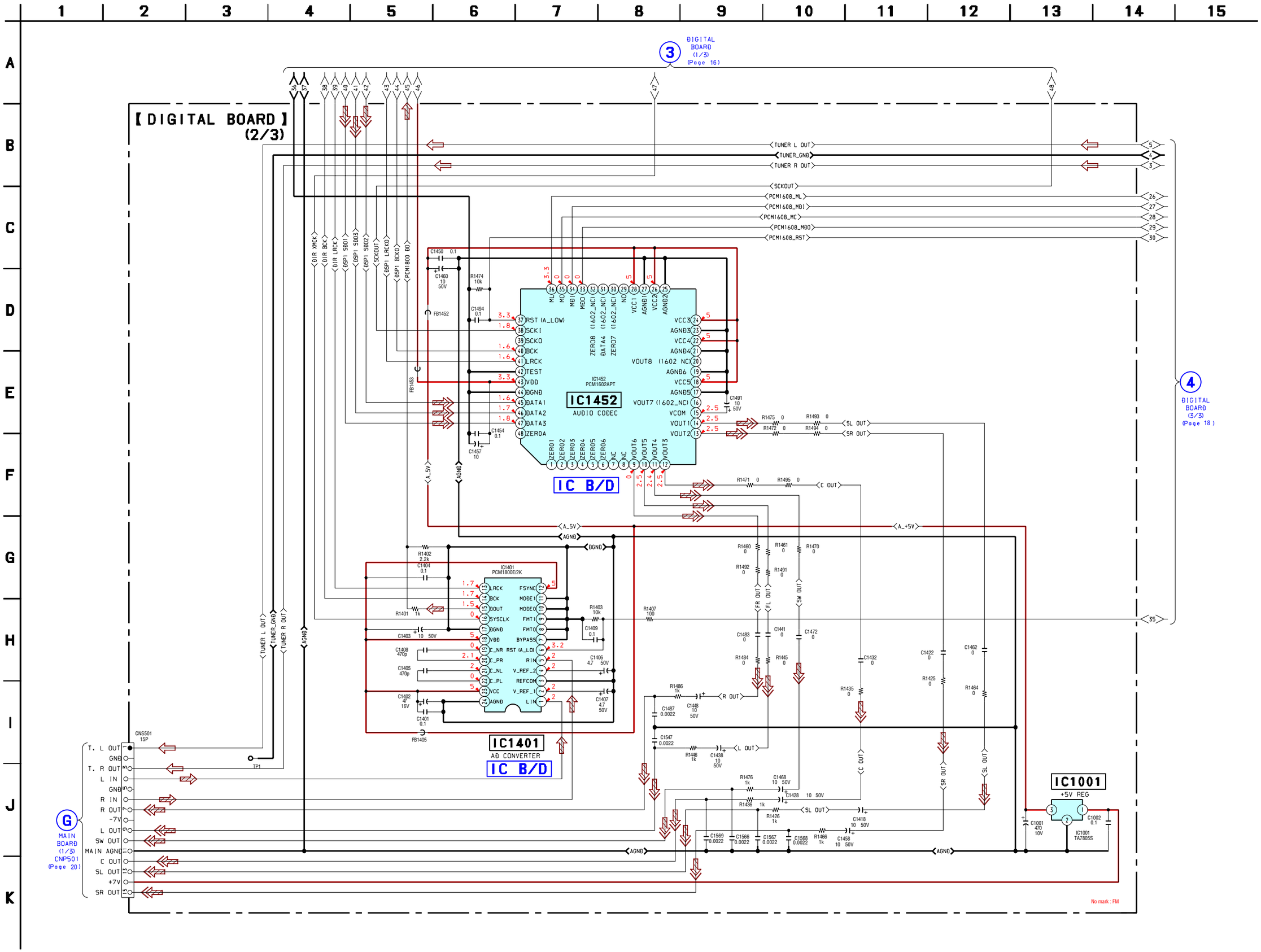
3-5. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/3) –

• See page 11 for Waveforms. • See page 27, 28 for IC Block Diagrams.



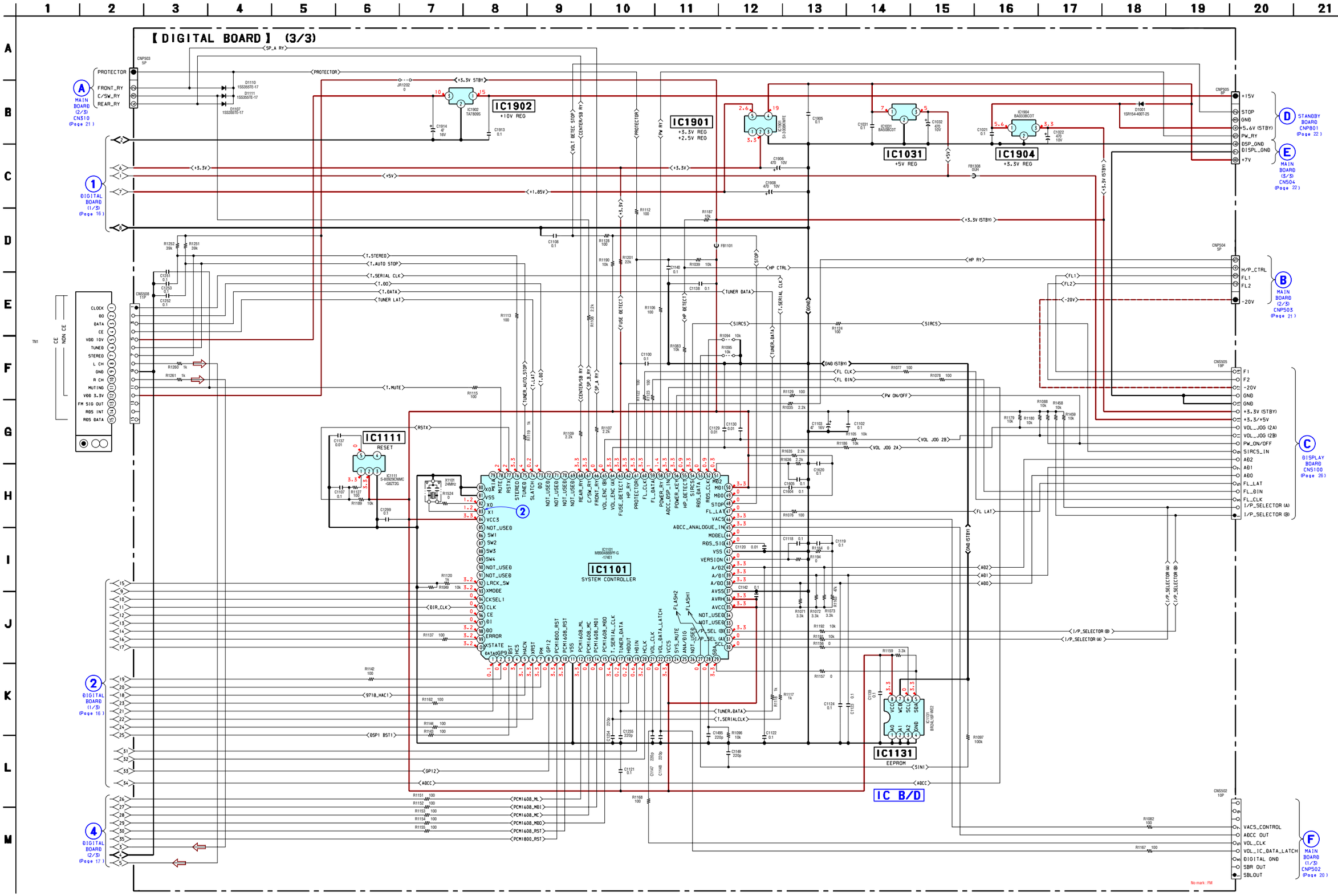
3-6. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/3) –

• See page 28, 29 for IC Block Diagrams.



3-7. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/3) –

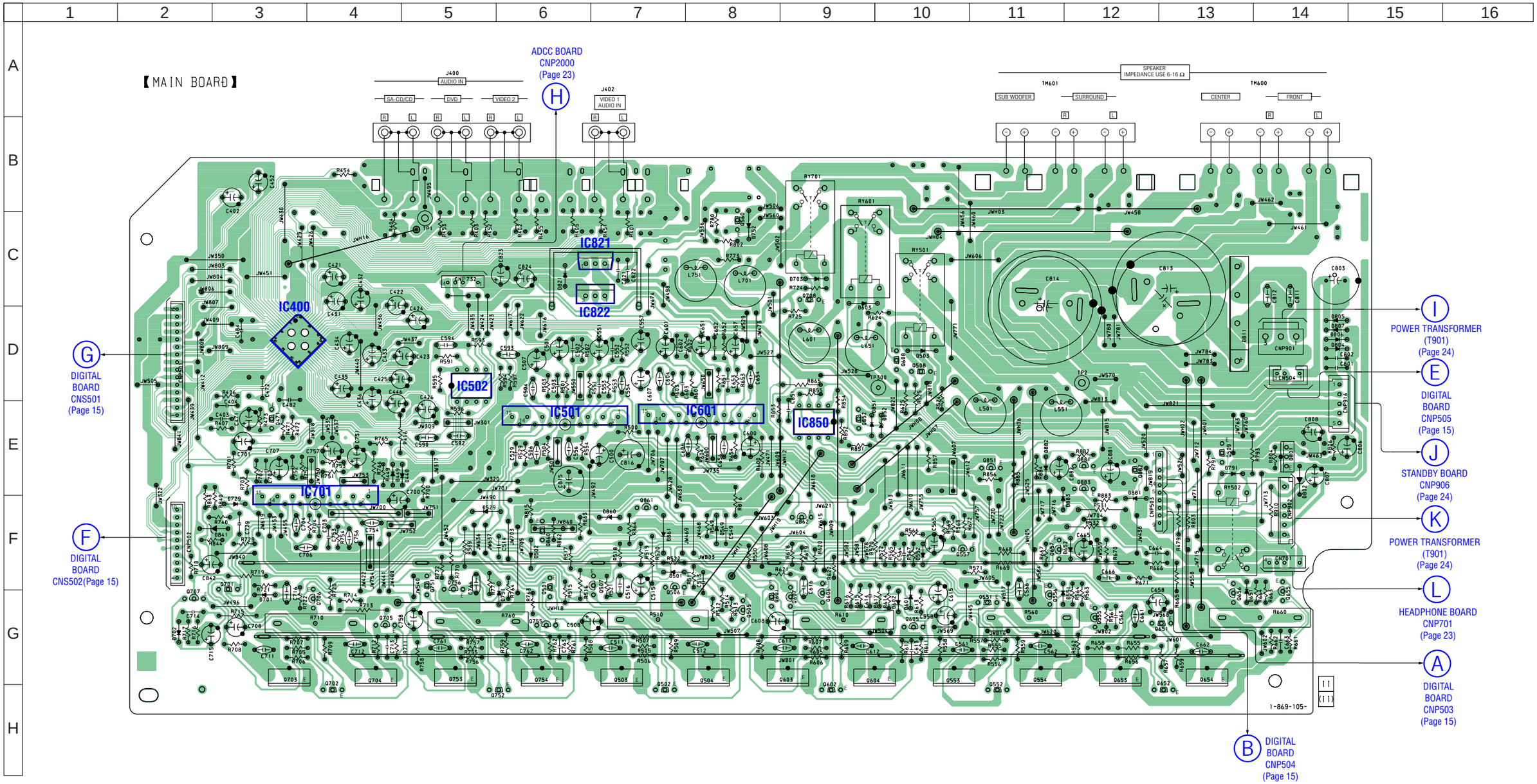
• See page 11 for Waveform. • See page 27 for IC Block Diagram. • See page 31 for IC Pin Function Description.



3-8. PRINTED WIRING BOARD – MAIN BOARD –

• See page 11 for Circuit Boards Location.

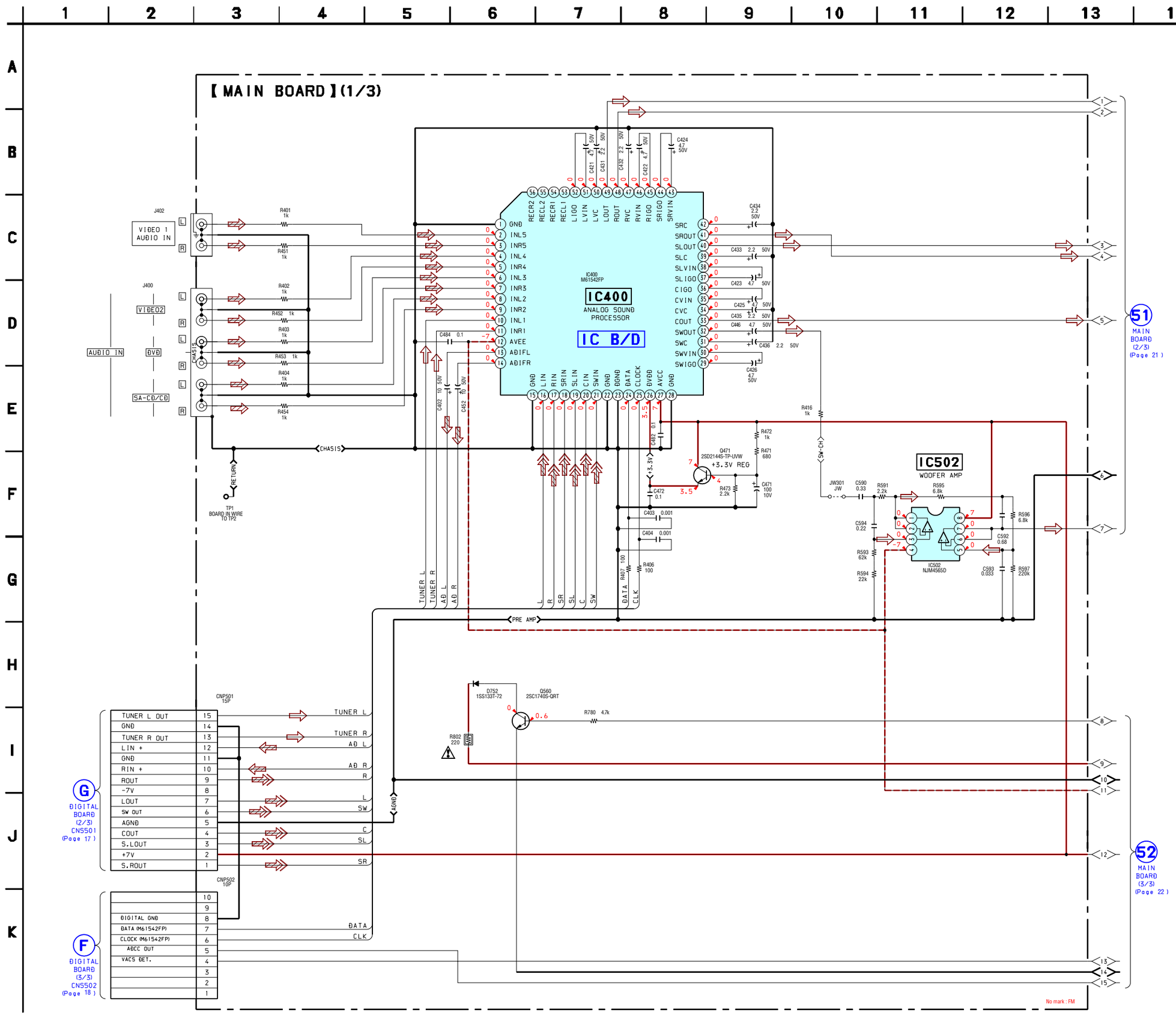
:Uses unleaded solder.



• Semiconductor Location

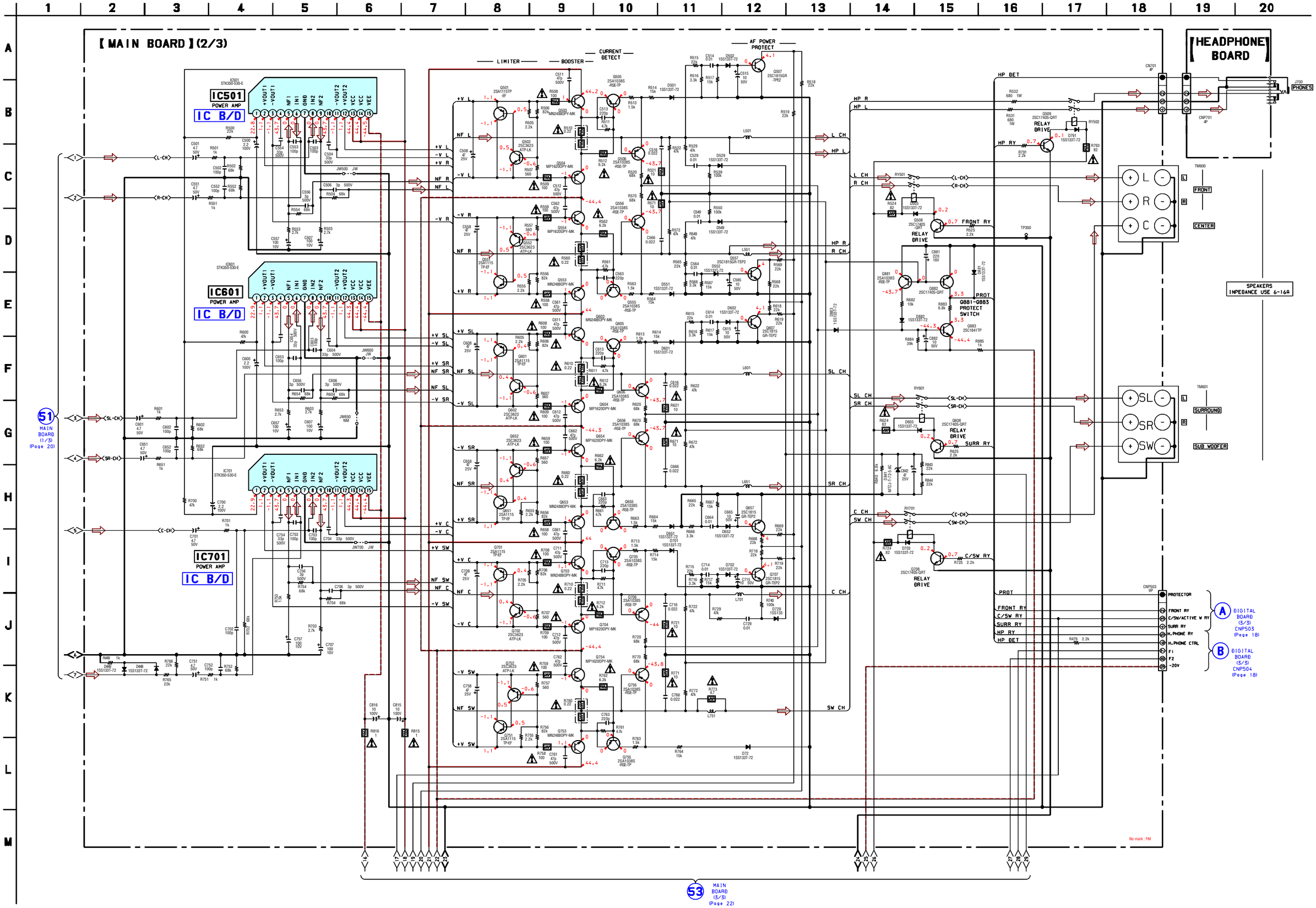
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D448	E-5	D729	F-3	D882	E-11	Q505	G-8	Q605	G-10	Q707	G-2
D449	E-4	D751	G-6	D883	F-12	Q506	G-7	Q606	G-9	Q708	C-9
D501	F-7	D752	C-8			Q507	F-7	Q607	G-9	Q751	F-5
D502	F-6	D791	E-13	IC400	D-3	Q508	D-10	Q608	D-10	Q752	H-6
D503	D-10	D802	E-14	IC501	E-6	Q509	E-13	Q651	G-13	Q753	G-5
D529	F-5	D804	D-14	IC502	D-5	Q551	G-11	Q652	H-13	Q754	G-6
D549	F-8	D805	D-14	IC601	E-8	Q552	H-11	Q653	G-12	Q755	G-6
D551	G-12	D806	D-14	IC701	E-4	Q553	G-10	Q654	G-14	Q756	F-5
D552	F-10	D807	D-14	IC821	C-7	Q554	G-11	Q655	G-14	Q801	E-14
D601	G-10	D811	D-13	IC822	C-7	Q555	G-12	Q656	G-13	Q851	E-11
D602	G-10	D821	C-6	IC850	E-9	Q556	G-11	Q657	F-11	Q852	E-9
D603	C-9	D841	F-3			Q557	F-10	Q701	F-3	Q860	F-6
D651	G-13	D851	E-9	Q471	E-3	Q560	C-8	Q702	H-4	Q861	F-7
D652	F-12	D852	E-10	Q501	F-6	Q601	G-8	Q703	G-3	Q862	F-9
D701	G-3	D860	F-7	Q502	H-7	Q602	H-9	Q704	G-4	Q881	E-12
D702	G-2	D861	F-7	Q503	G-7	Q603	G-9	Q705	G-4	Q882	E-12
D703	C-9	D881	F-12	Q504	G-8	Q304	G-9	Q706	G-4	Q883	E-12

3-9. SCHEMATIC DIAGRAM – MAIN BOARD (1/3) – • See page 30 for IC Block Diagram.

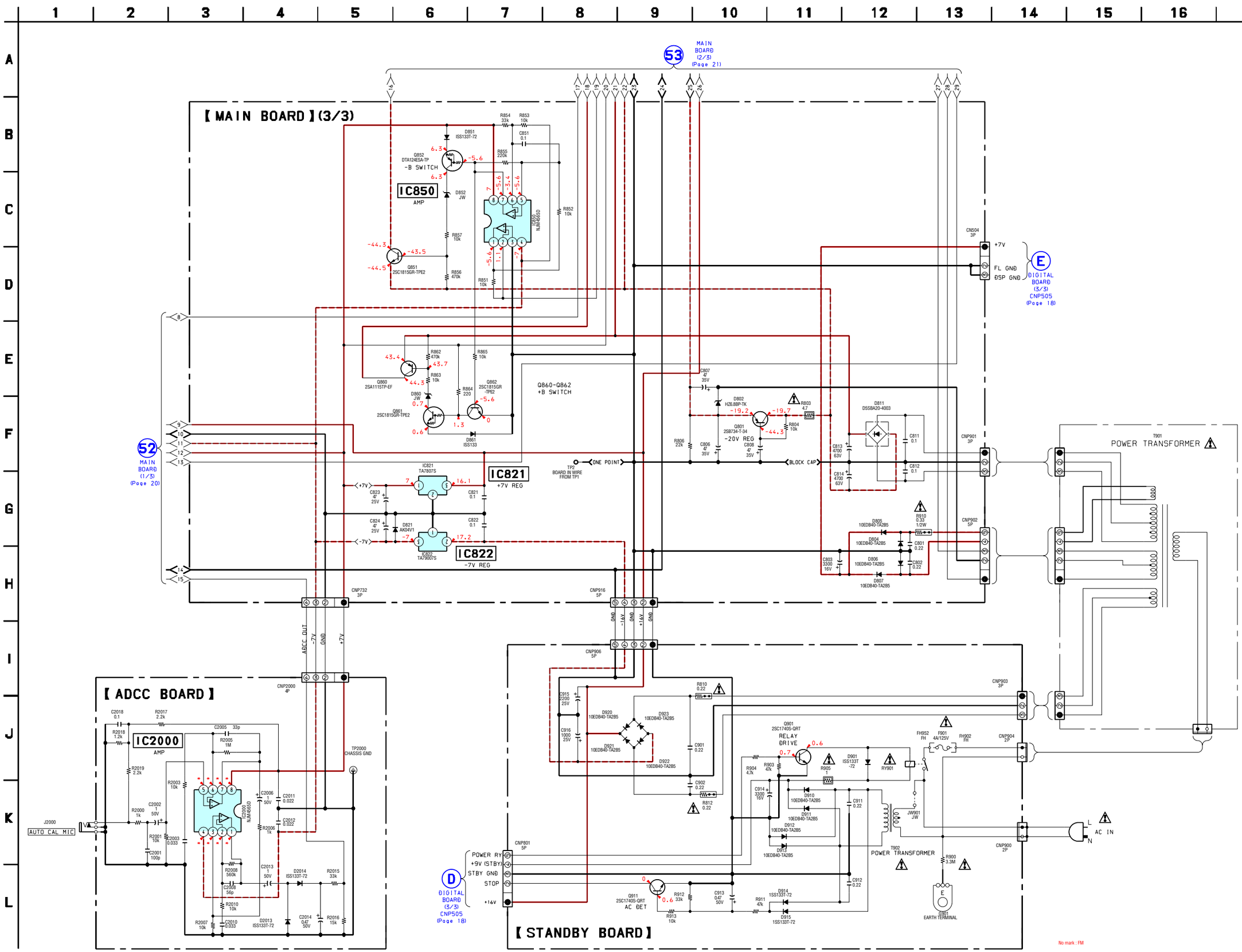


3-10. SCHEMATIC DIAGRAM – MAIN BOARD (2/3), HEADPHONE BOARD –

• See page 30 for IC Block Diagrams.



3-11. SCHEMATIC DIAGRAM – MAIN BOARD (3/3), ADCC BOARD, STANDBY BOARD –

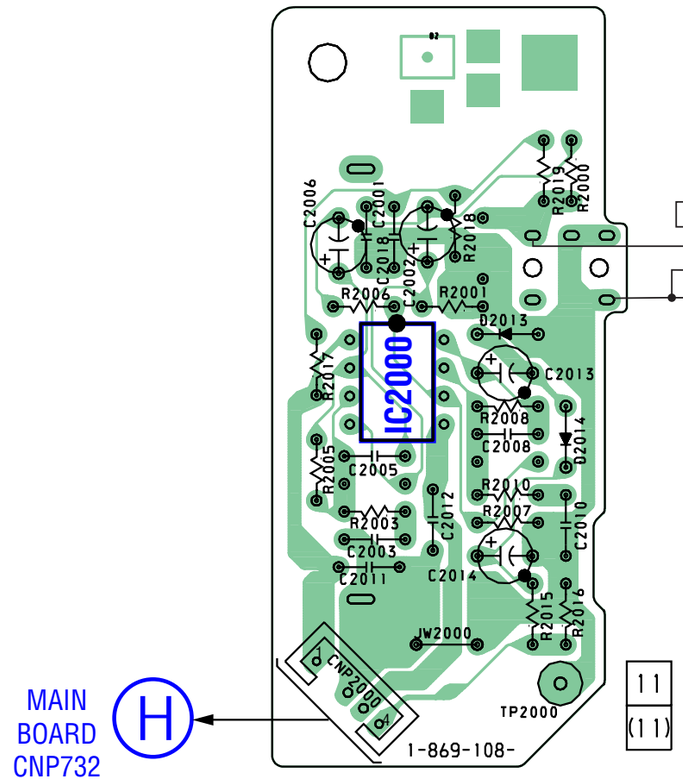


3-12. PRINTED WIRING BOARDS – ADCC BOARD, HEADPHONE BOARD –

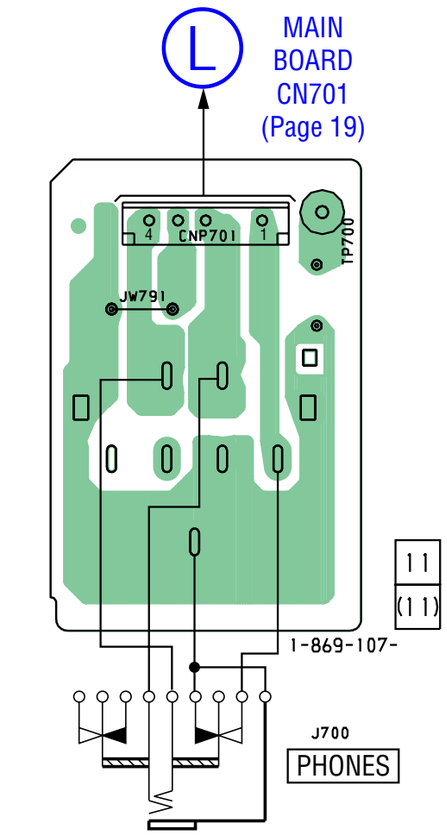
• See page 11 for Circuit Boards Location.

:Uses unleaded solder.

【ADCC BOARD】



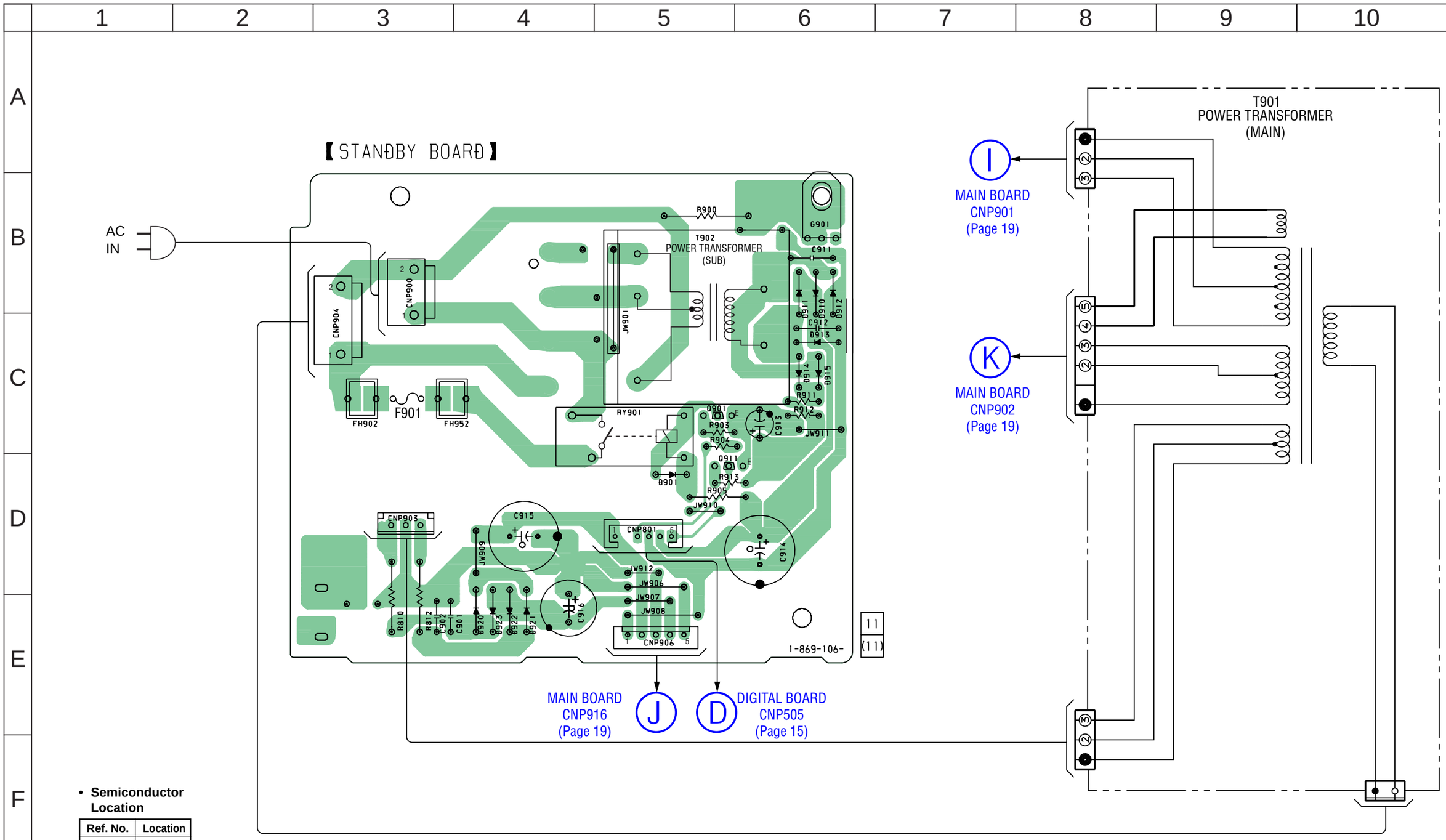
【HEADPHONE BOARD】



3-13. PRINTED WIRING BOARD – STANDBY BOARD –

• See page 11 for Circuit Boards Location.

:Uses unleaded solder.



- **Semiconductor Location**

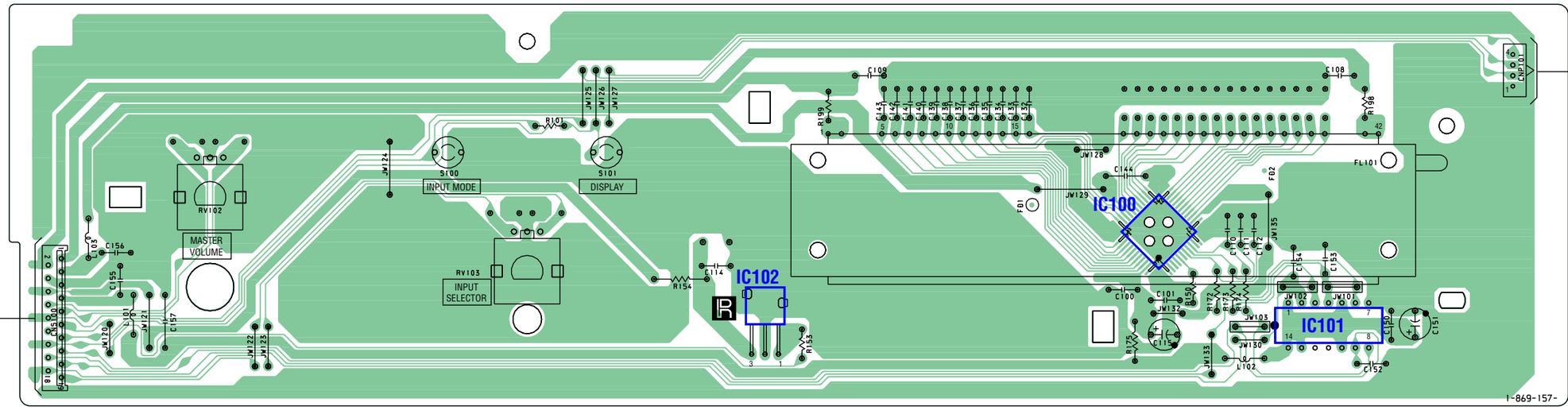
Ref. No.	Location
D901	D-5
D910	B-6
D911	B-6
D912	B-6
D913	C-6
D914	C-6
D915	C-6
D920	E-4
D921	E-4
D922	E-4
D923	E-4
Q901	C-5
Q911	D-5

3-14. PRINTED WIRING BOARDS – DISPLAY BOARD, POWER BOARD –

• See page 11 for Circuit Boards Location.

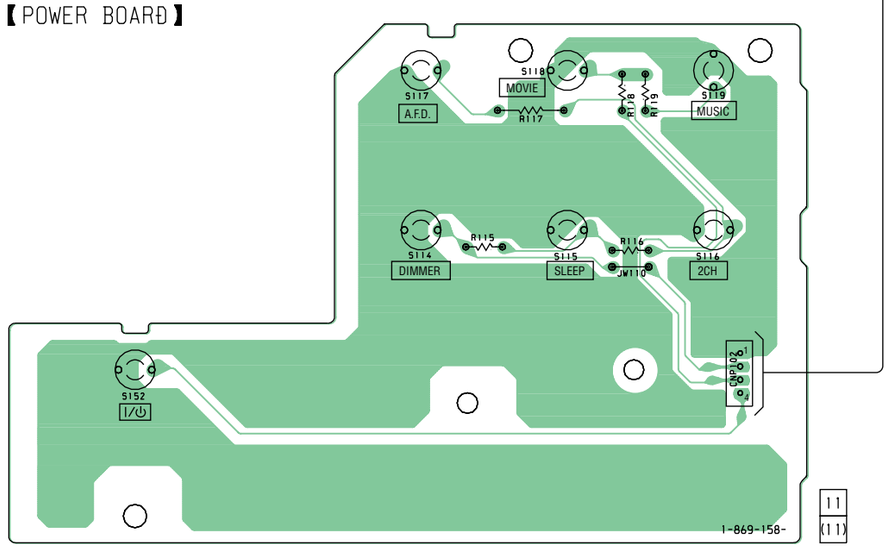
:Uses unleaded solder.

【DISPLAY BOARD】



C DIGITAL BOARD CNS505 (Page 15)

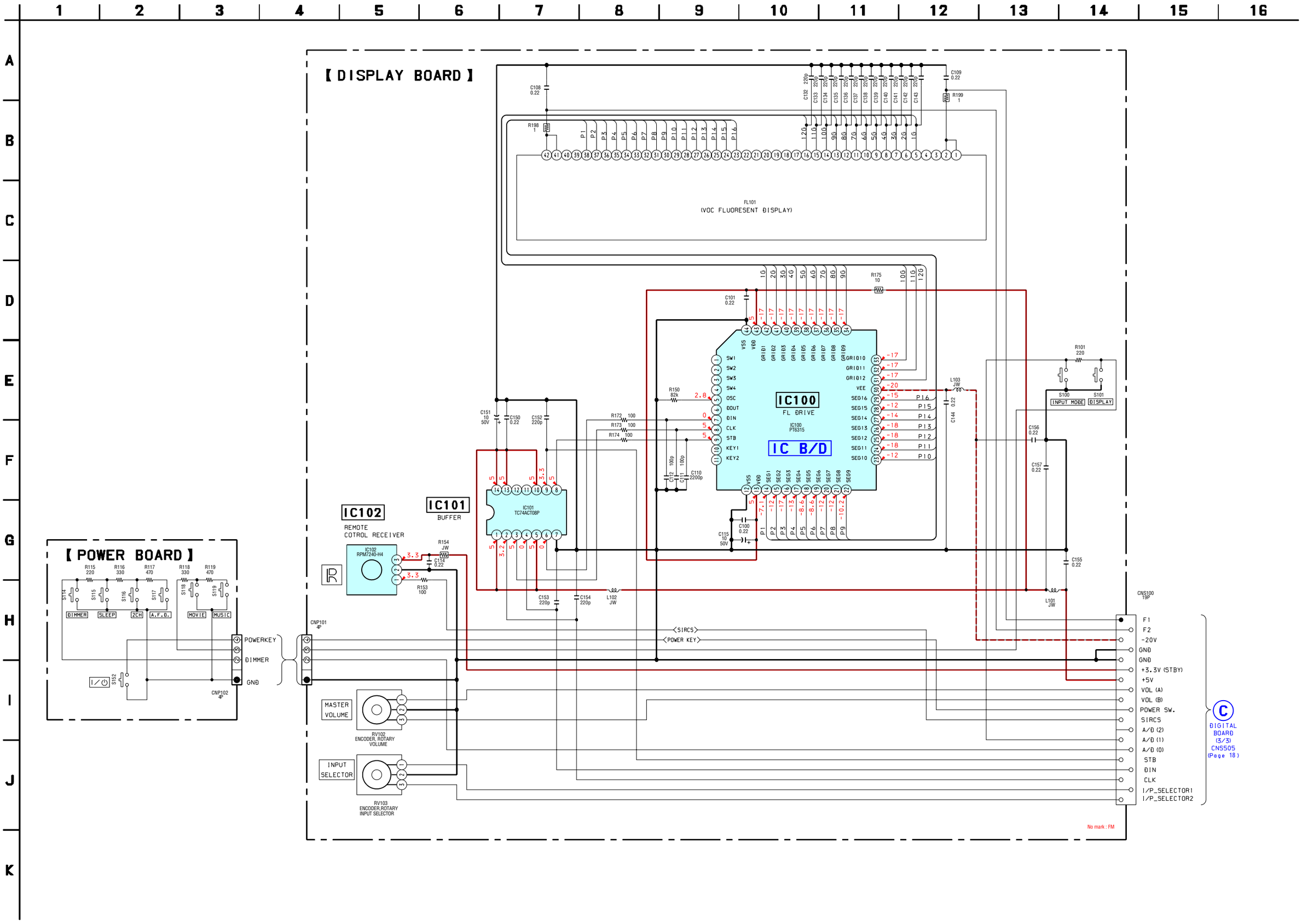
【POWER BOARD】



- **Semiconductor Location**

Ref. No.	Location
D101	B-4
D102	B-2
D103	B-3
D104	B-3
D105	B-7
IC100	A-7
IC101	B-6
IC102	A-9
Q110	C-7

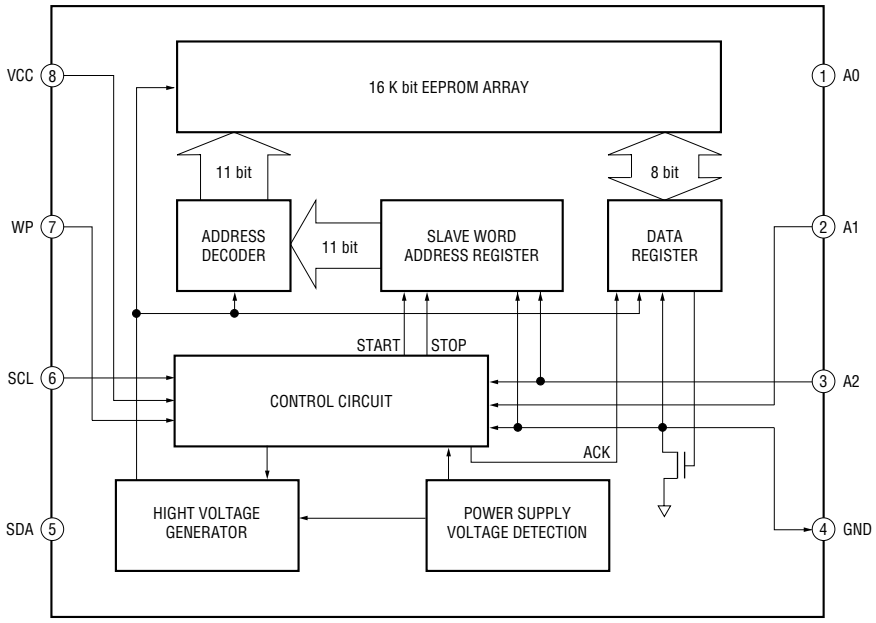
3-15. SCHEMATIC DIAGRAM – DISPLAY BOARD, POWER BOARD – • See page 29 for IC Block Diagram.



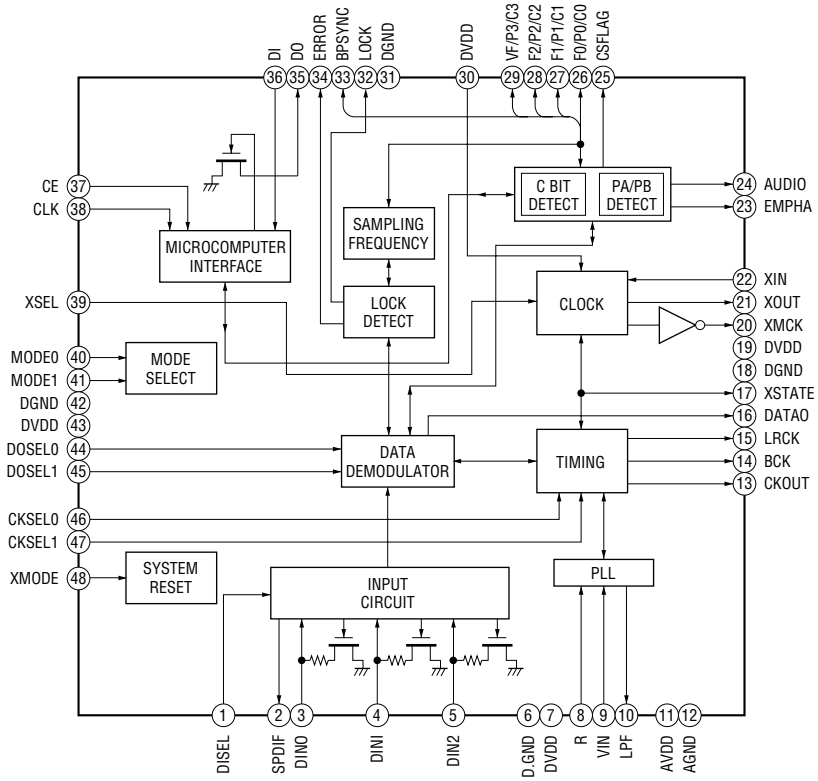
• **IC Block Diagrams**

– DIGITAL Board –

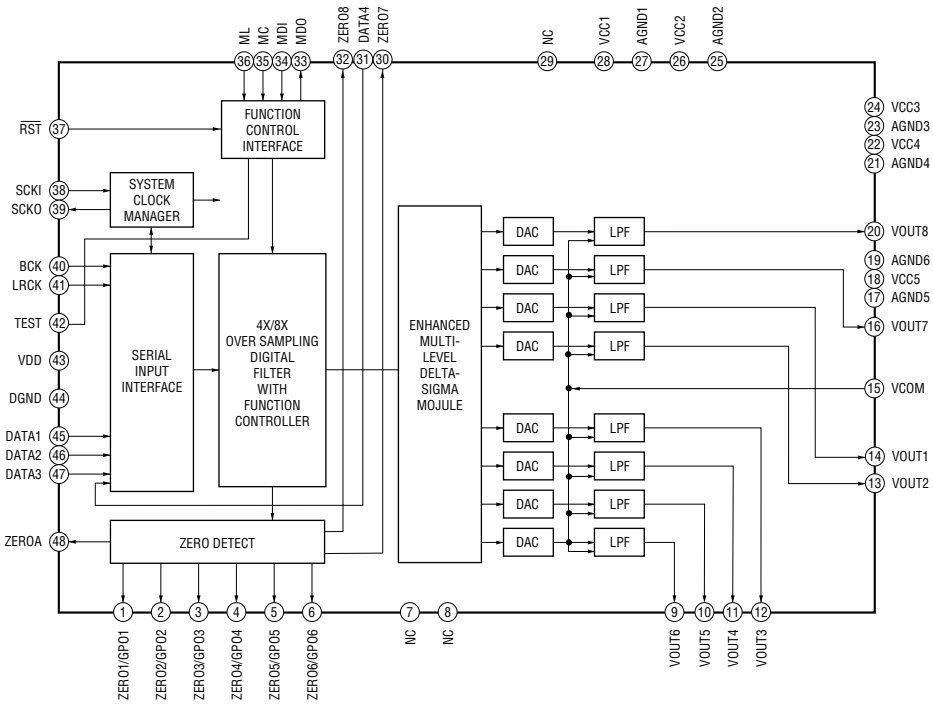
IC1131 BR24L16F-WE2



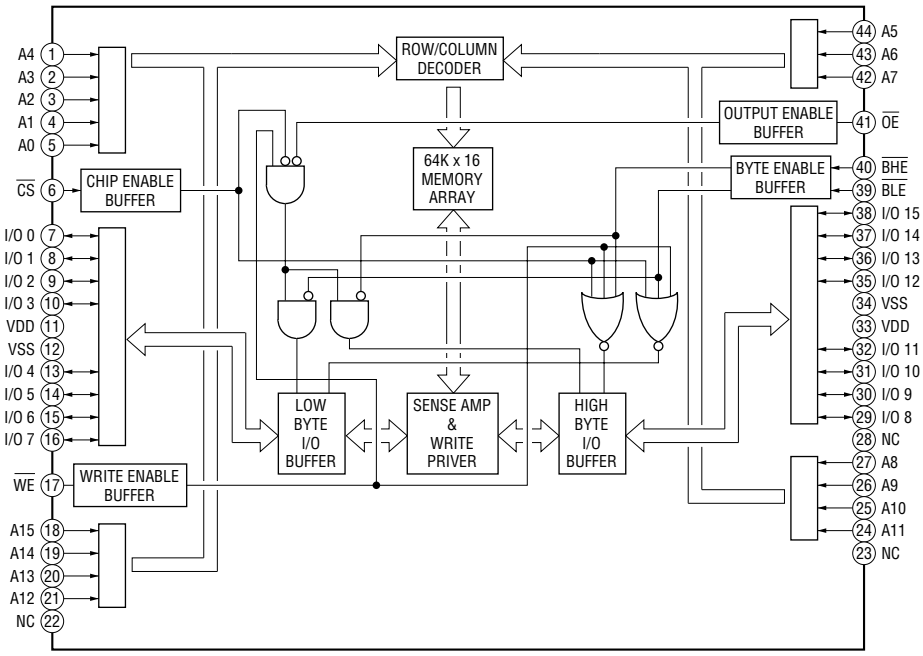
IC1301 LC89056W-E



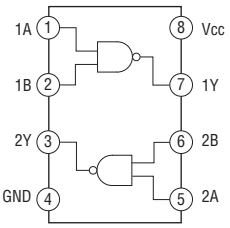
IC1452 PCM1602APT



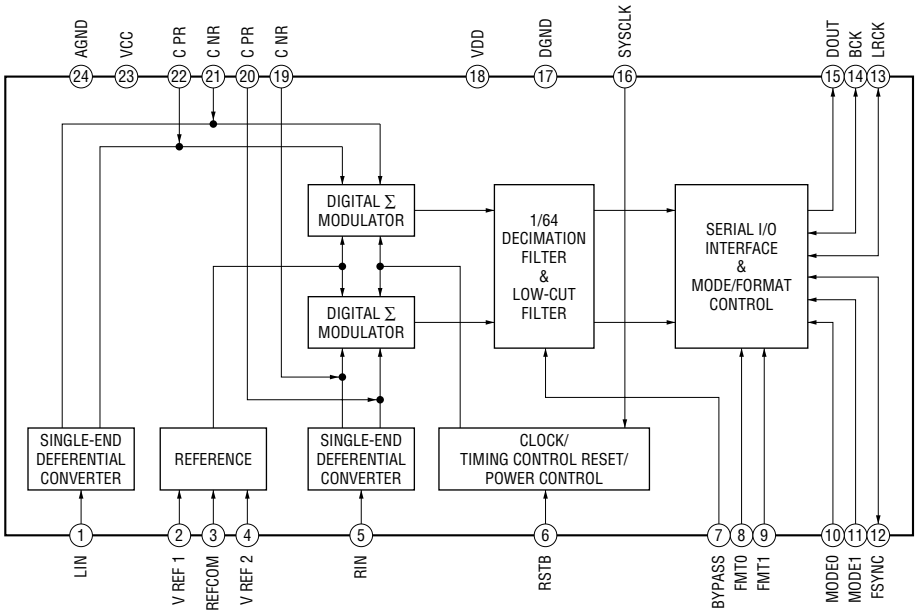
IC1502 IS61LV6416-10TLT



IC1503 TC7WH157FU (TE12R)

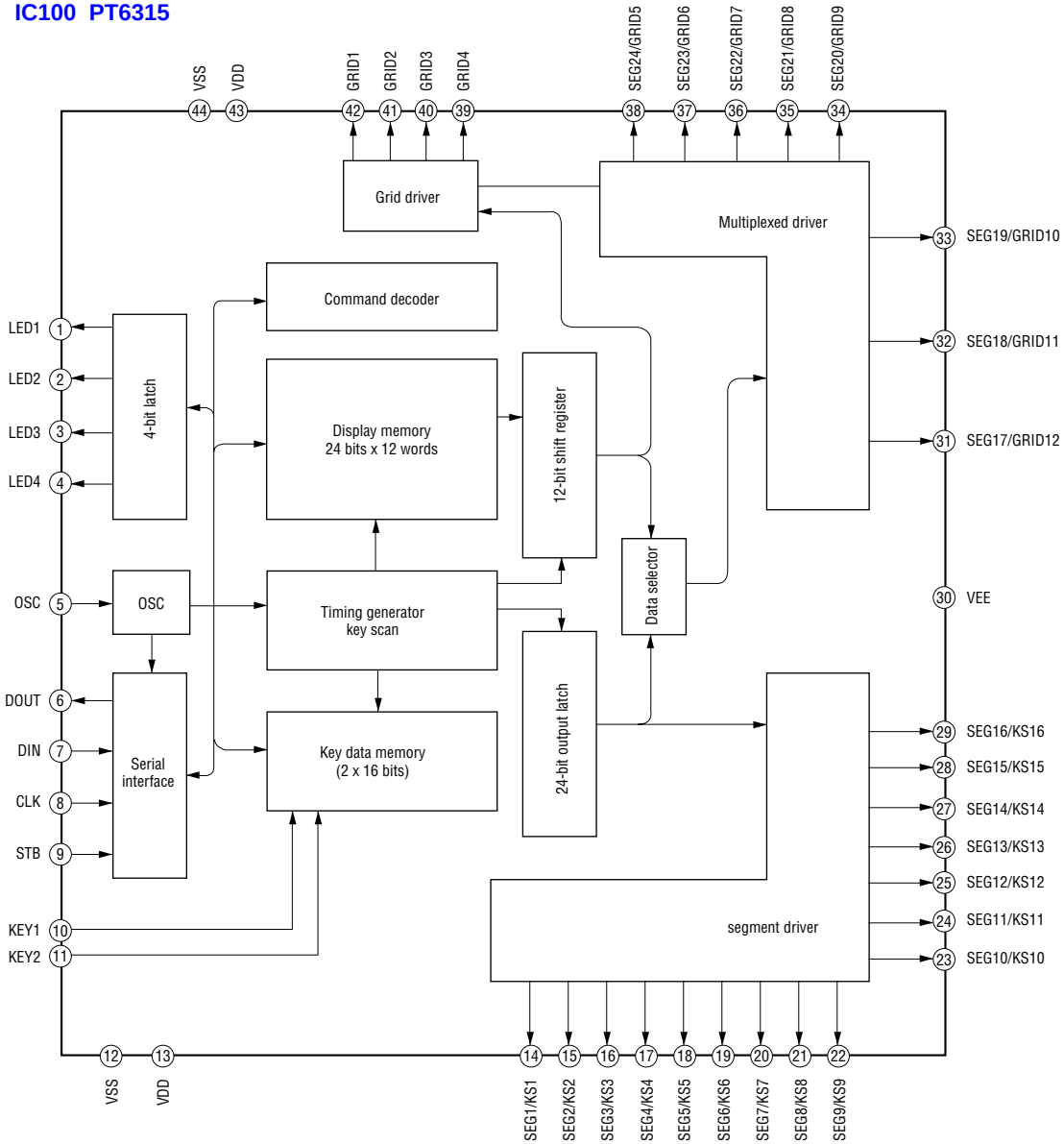


IC1401 PCM1800E/2K



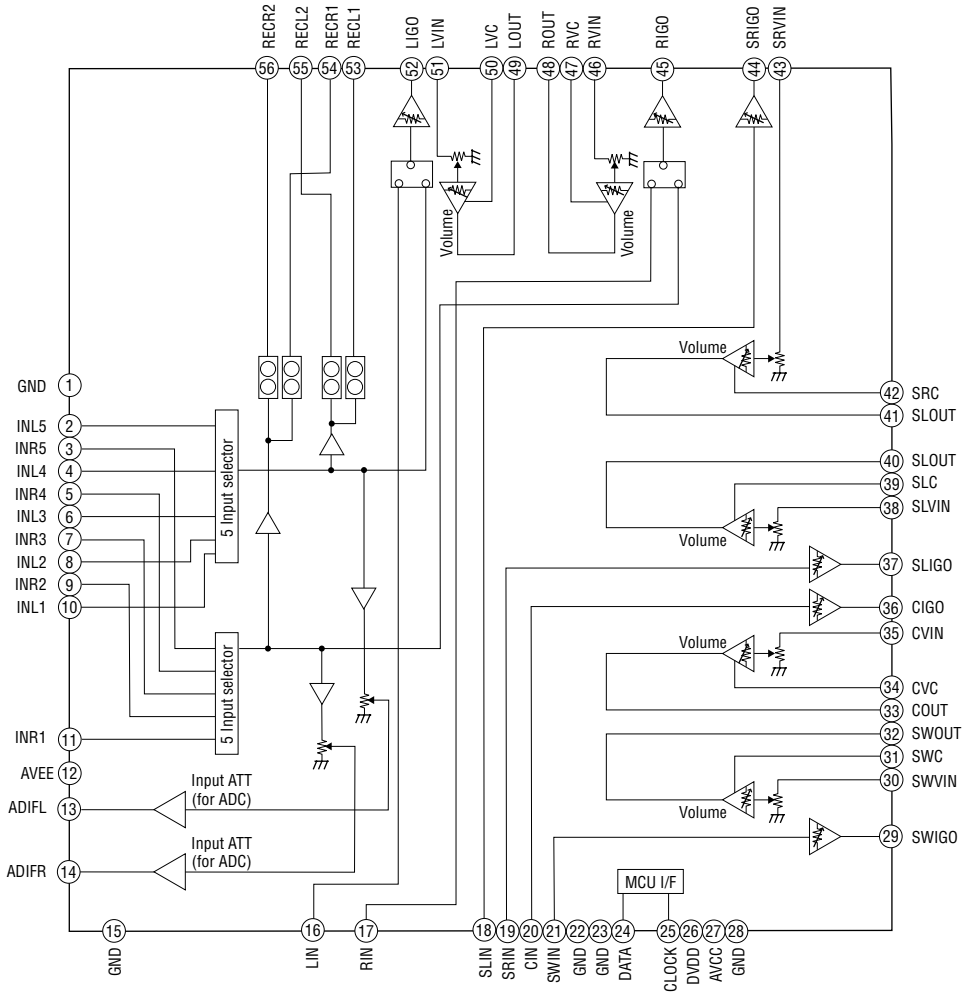
– DISPLAY Board –

IC100 PT6315

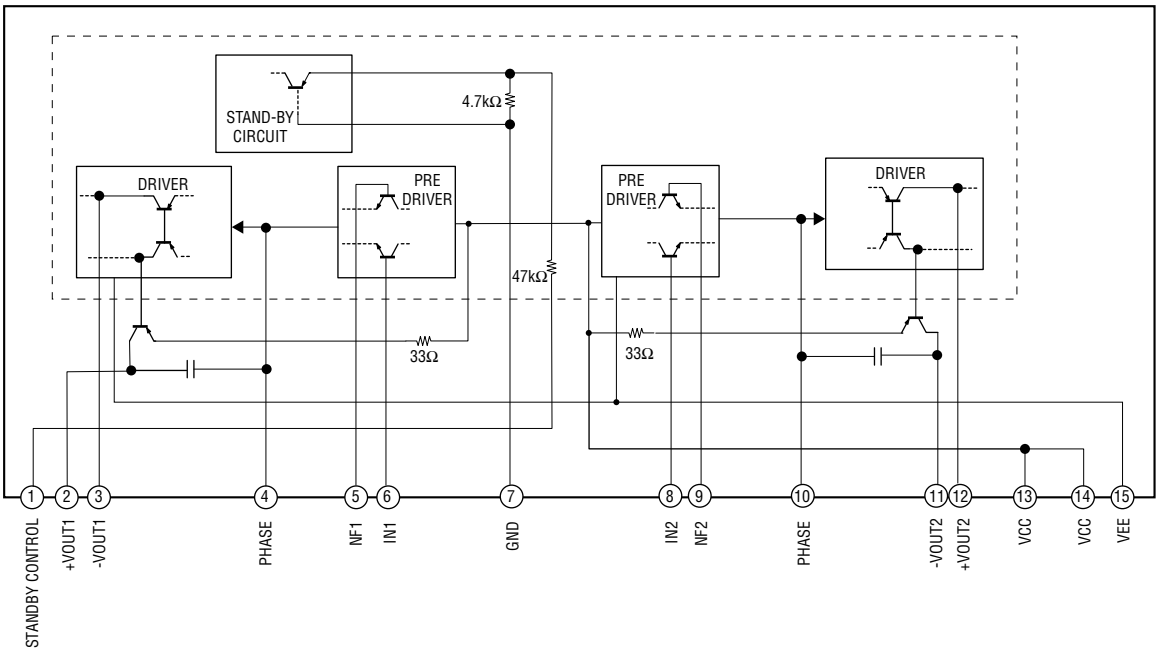


– MAIN Board –

IC400 M61542FP



IC501, IC601, IC701 STK350-530-E



• IC Pin Function Description

DIGITAL BOARD IC1101 MB90488BPF-G-174E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	GP12	O	GP12 signal output to DSP
9	PCM1800_RST	O	IC reset signal output to ADC
10	PCM1608_RST	O	IC reset signal output to DAC
11	VSS	—	Ground terminal
12	PCM1608_ML	O	Latch signal output to DAC
13	PCM1608_MC	O	Clock signal output to DAC
14	PCM1608_MDI	O	IC data output to DAC
15	PCM1608_MDO	I	IC data input from DAC
16	T.SERIAL_CLK	O	Tuner clock signal output terminal
17	TUNER_DI	O	Tuner data signal output terminal
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	VOL_CLK	O	Clock signal output to the ASP
22	VOL_DATA_LATCH	O	Data output to the ASP
23	VCC5	—	Power supply (+3.3V)
24	SYS_MUTE	O	Muting and error signal output
25	ANA/DIG	O	Analog signal or digital signal output terminal
26	NOT_USED	—	Not used
27	FLASH2	O	FLASH2 signal output (not used)
28	FLASH1	O	FLASH1 signal output (not used)
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM clock signal output terminal
31	I/P_SEL (A)	I	Input Encoder (A) signal input
32	I/P_SEL (B)	I	Input Encoder (B) signal input
33	NOT_USED	—	Not used
34	NOT_USED	—	Not used
35	AVCC	—	Analog power supply (+3.3V)
36	AVRH	I	Analog reference voltage input (+3.3V)
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	RDS_SIG	I	RDS signal detect input (connected to ground terminal)
44	MODEL	I	MODEL select input
45	ADCC_ANALOGUE_IN	I	ADCC signal input
46	VACS	I	VACS control signal input
47	FL_LAT	O	FL driver latch signal output

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS_CLOCK	I	RDS clock signal input (Short to ground terminal)
53	RDS_DATA	I	RDS data signal input (Short to ground terminal)
54	SIRCS	I	Data signal input from the remote control sensor
55	HP_DETECT	I	Headphone signal input
56	POWER_KEY	I	Power switch key detect signal input
57	ADCC_DSP_IN	O	ADCC DSP input
58	POWER RY	O	Power relay control signal output
59	FL_DATA	O	FL driver signal output terminal
60	FL_CLK	O	FL driver clock signal output terminal
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE_DETECT	I	Fuse detect signal input
64	VOL_ENC (A)	I	Volume signal input from rotary encoder
65	VOL_ENC (B)	I	Volume signal input from rotary encoder
66	FRONT_RY	O	Front speaker relay control signal output
67	C/SB_RY	O	Center speaker or Surround back speaker control signal output
68	REAR_RY	O	Rear speaker control signal output
69	NOT_USED	—	Not used
70	NOT_USED	—	Not used
71	NOT_USED	—	Not used
72	NOT_USED	—	Not used
73	DO	I	Frequency data signal input from the tuner
74	SLATCH	O	Latch signal output to the tuner
75	TUNED	I	Tuning a frequency signal input from the tuner
76	STEREO	I	Stereo tuning signal input from the tuner
77	RSTX	I	System reset input
78	MUTE	O	Muting signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply (+3.3V)
85	NOT_USED	—	Not used
86	SW1	O	Video select control signal output (Not used)
87	SW2	O	Video select control signal output (Not used)
88	SW3	O	Video select control signal output (Not used)
89	SW4	O	Video select control signal output (Not used)
90	NOT_USED	—	Not used
91	NOT_USED	—	Not used
92	LRCK_SW	O	LRCK signal output to the selector
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal output to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR

Pin No.	Pin Name	I/O	Description
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

SECTION 4
EXPLODED VIEWS

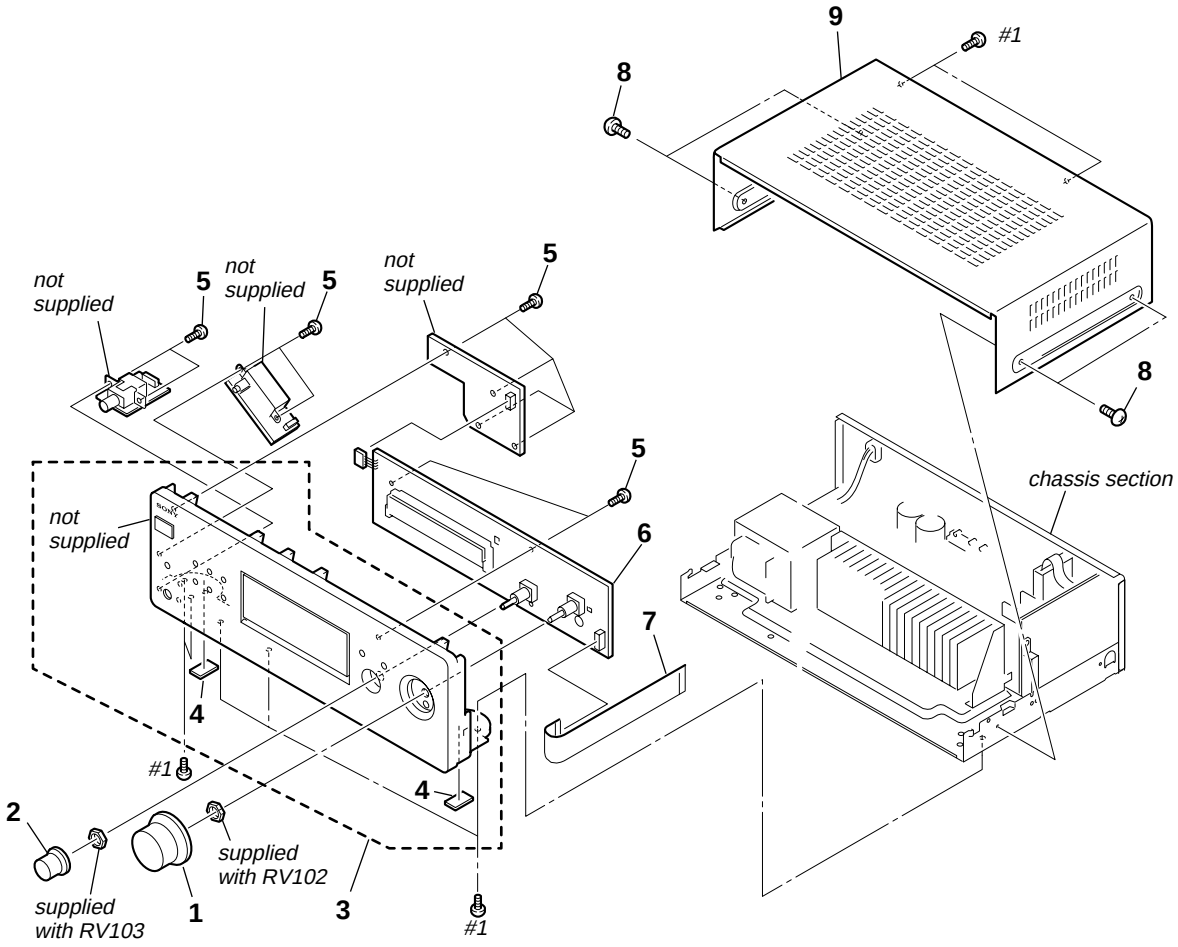
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  CND : Canadian model.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

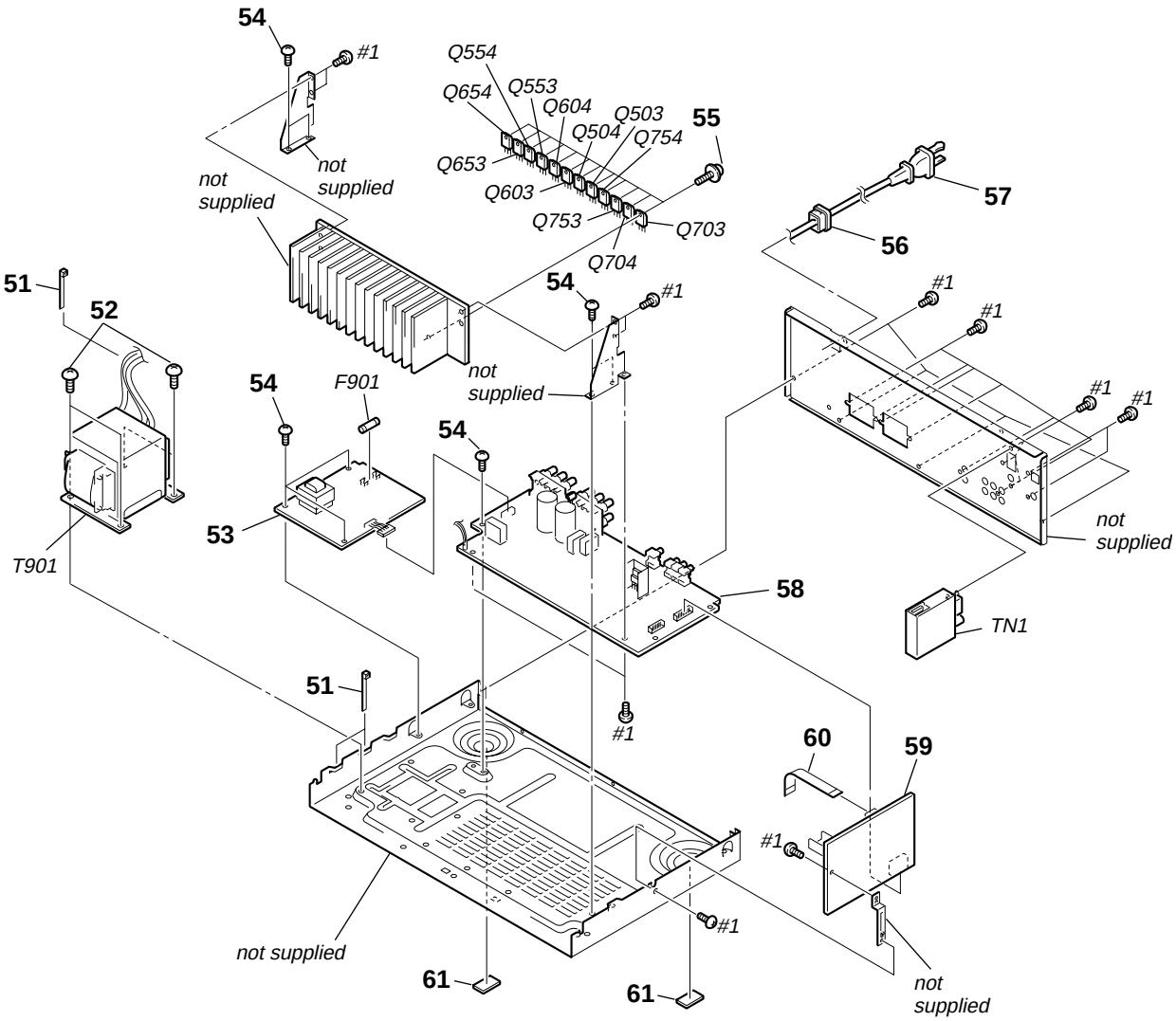
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	2-661-142-21	VOLUME KNOB	
2	2-661-141-21	MENU KNOB	
3	X-2103-244-1	FRONT PANEL ASSY (US)	
3	X-2103-356-1	FRONT PANEL ASSY (CND)	
4	4-977-358-01	CUSHION	
5	3-087-053-01	+BVTP2.6 (3CR)	
6	A-1156-368-A	DISPLAY BOARD, COMPLETE	
7	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)	
8	3-363-099-11	SCREW (CASE 3 TP2)	
9	2-662-472-01	CASE	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
51	3-701-748-00	CLAMP	
52	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
53	A-1156-365-A	STANDBY BOARD, COMPLETE	
54	3-077-331-21	+BV3 (3-CR)	
55	3-905-609-01	SCREW (TRANSISTOR)	
* 56	3-703-244-00	BUSHING (2104), CORD	
⚠57	1-783-532-11	CORD, POWER	
58	A-1156-361-A	MAIN BOARD, COMPLETE	
59	A-1156-372-A	DIGITAL BOARD, COMPLETE	
60	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
61	4-977-358-01	CUSHION	
⚠F901	1-533-452-11	FUSE, GLASS TUBE (DIA. 5) (4A/125V)	
Q503	6-702-390-01	IC MN2488-OPY-MK	
Q504	6-702-391-01	IC MP1620-OPY-MK	

Ref. No.	Part No.	Description	Remark
Q553	6-702-390-01	IC MN2488-OPY-MK	
Q554	6-702-391-01	IC MP1620-OPY-MK	
Q603	6-702-390-01	IC MN2488-OPY-MK	
Q604	6-702-391-01	IC MP1620-OPY-MK	
Q653	6-702-390-01	IC MN2488-OPY-MK	
Q654	6-702-391-01	IC MP1620-OPY-MK	
Q703	6-702-390-01	IC MN2488-OPY-MK	
Q704	6-702-391-01	IC MP1620-OPY-MK	
Q753	6-702-390-01	IC MN2488-OPY-MK	
Q754	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-443-909-11	POWER TRANSFORMER (MAIN)	
TN1	1-693-675-21	TUNER	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

ADCC DIGITAL

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- COILS
  uH: µH
- CAPACITORS
  uF: µF
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		ADCC BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C2001	1-128-809-11	CERAMIC	100PF	5%	50V
C2002	1-126-160-11	ELECT	1uF	20%	50V
C2003	1-127-882-31	CERAMIC	0.033uF	10%	50V
C2005	1-128-803-11	CERAMIC	33PF	5%	50V
C2006	1-126-160-11	ELECT	1uF	20%	50V
C2008	1-128-806-11	CERAMIC	56PF	5%	50V
C2010	1-127-882-31	CERAMIC	0.033uF	10%	50V
C2011	1-127-880-11	CERAMIC	0.022uF	10%	50V
C2012	1-127-880-11	CERAMIC	0.022uF	10%	50V
C2013	1-126-160-11	ELECT	1uF	20%	50V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V
C2018	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP2000	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D2013	8-719-991-33	DIODE 1SS133T-77			
D2014	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC2000	8-759-167-88	IC NJM4565D			
		< JACK >			
J2000	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)			
		< RESISTOR >			
R2000	1-247-831-91	CARBON	1K	5%	1/4W
R2001	1-249-429-11	CARBON	10K	5%	1/4W
R2003	1-249-429-11	CARBON	10K	5%	1/4W
R2005	1-247-903-00	CARBON	1M	5%	1/4W
R2006	1-247-831-91	CARBON	1K	5%	1/4W
R2007	1-249-429-11	CARBON	10K	5%	1/4W
R2008	1-247-897-11	CARBON	560K	5%	1/4W
R2010	1-249-429-11	CARBON	10K	5%	1/4W
R2015	1-249-435-11	CARBON	33K	5%	1/4W
R2016	1-249-431-11	CARBON	15K	5%	1/4W
R2017	1-249-421-11	CARBON	2.2K	5%	1/4W
R2018	1-249-418-11	CARBON	1.2K	5%	1/4W
R2019	1-249-421-11	CARBON	2.2K	5%	1/4W

****

Ref. No.	Part No.	Description			Remark
	A-1156-372-A	DIGITAL BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-91	ELECT	470uF	20%	10V
C1002	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C1005	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1022	1-126-925-91	ELECT	470uF	20%	10V
C1031	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1032	1-126-925-91	ELECT	470uF	20%	10V
C1100	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V
C1107	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1118	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1121	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1130	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1138	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1147	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1148	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1251	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1252	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1253	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C1305	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1352	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1353	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-91	ELECT	22uF	20%	25V
C1356	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1358	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1361	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1401	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1409	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-216-864-11	SHORT CHIP	0		
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-216-864-11	SHORT CHIP	0		
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-216-864-11	SHORT CHIP	0		
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1454	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-216-864-11	SHORT CHIP	0		
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1472	1-216-864-11	SHORT CHIP	0		
C1483	1-216-864-11	SHORT CHIP	0		
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-91	ELECT	470uF	20%	10V
C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-91	ELECT	470uF	20%	10V
C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1523	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1525	1-126-925-91	ELECT	470uF	20%	10V
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-91	ELECT	470uF	20%	10V
C1908	1-126-925-91	ELECT	470uF	20%	10V
C1913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1914	1-126-947-11	ELECT	47uF	20%	35V

< CONNECTOR >

CNP503	1-784-921-11	PIN, CONNECTOR 4P
CNP504	1-784-922-11	PIN, CONNECTOR 5P
CNP505	1-784-924-11	PIN, CONNECTOR 8P
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P
CNS504	1-568-828-11	CONNECTOR, FFC 9P
CNS505	1-784-780-11	CONNECTOR, FFC 19P
CNS508	1-568-830-11	CONNECTOR, FFC 11P

< DIODE >

D1001	8-719-053-18	DIODE 1SR154-400TE-25
D1003	8-719-049-09	DIODE 1SS367-T3SONY
D1004	8-719-049-09	DIODE 1SS367-T3SONY
D1107	8-719-988-61	DIODE 1SS355TE-17
D1110	8-719-988-61	DIODE 1SS355TE-17
D1111	8-719-988-61	DIODE 1SS355TE-17
D1112	8-719-049-09	DIODE 1SS367-T3SONY
D1113	8-719-049-09	DIODE 1SS367-T3SONY
D1114	8-719-049-09	DIODE 1SS367-T3SONY
D1301	8-719-988-61	DIODE 1SS355TE-17
D1302	8-719-988-61	DIODE 1SS355TE-17

< FERRITE BEAD >

FB1101	1-400-862-11	BEAD, FERRITE
FB1302	1-400-862-11	BEAD, FERRITE
FB1305	1-400-862-11	BEAD, FERRITE
FB1306	1-400-862-11	BEAD, FERRITE
FB1308	1-400-862-11	BEAD, FERRITE
FB1405	1-400-862-11	BEAD, FERRITE

DIGITAL

Ref. No.	Part No.	Description			Remark
FB1452	1-400-862-11	BEAD, FERRITE			
FB1453	1-400-862-11	BEAD, FERRITE			
FB1501	1-400-862-11	BEAD, FERRITE			
FB1502	1-400-862-11	BEAD, FERRITE			
FB1503	1-400-862-11	BEAD, FERRITE			
		< IC >			
IC1001	8-759-231-53	IC TA7805S			
IC1031	6-705-464-01	IC BA50BC0T			
IC1101	6-806-145-01	IC MB90488BPF-G-174E1			
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G			
IC1131	6-704-004-01	IC BR24L16F-WE2			
IC1301	8-759-825-15	IC LC89056W-E			
IC1303	8-759-242-70	IC TC7WU04F			
IC1353	6-600-014-01	IC TORX141L (VIDEO 2 IN)			
IC1401	8-759-560-56	IC PCM1800E/2K			
IC1452	6-708-784-01	IC PCM1602APT			
IC1501	6-707-754-01	IC CXD9862R			
IC1502	6-704-832-01	IC IS61LV6416-10TLT			
IC1503	8-759-546-74	IC TC7WH157FU (TE12R)			
IC1901	6-707-168-01	IC SI-3008KWFE			
IC1902	8-759-701-59	IC NJM78M09FA			
IC1904	6-705-463-01	IC BA33BC0T			
		< JACK >			
J1301	1-794-972-11	JACK, PIN 1P (DVD IN/COAXIAL)			
		< JUMPER RESISTOR >			
JR1020	1-216-864-11	SHORT CHIP	0		
JR1202	1-216-864-11	SHORT CHIP	0		
JR1502	1-216-864-11	SHORT CHIP	0		
JR1511	1-400-862-11	BEAD, FERRITE			
		< RESISTOR >			
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1071	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1082	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-864-11	SHORT CHIP	0		
R1167	1-216-809-11	METAL CHIP	100	5%	1/10W
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0		
R1198	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1353	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1363	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1459	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1460	1-216-864-11	SHORT CHIP	0		
R1461	1-216-864-11	SHORT CHIP	0		
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1470	1-216-864-11	SHORT CHIP	0		
R1471	1-216-864-11	SHORT CHIP	0		
R1472	1-216-864-11	SHORT CHIP	0		
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-864-11	SHORT CHIP	0		
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1491	1-216-864-11	SHORT CHIP	0		
R1492	1-216-864-11	SHORT CHIP	0		
R1493	1-216-864-11	SHORT CHIP	0		
R1494	1-216-864-11	SHORT CHIP	0		
R1495	1-216-864-11	SHORT CHIP	0		
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-813-11	METAL CHIP	220	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1524	1-216-864-11	SHORT CHIP	0		
R1525	1-216-813-11	METAL CHIP	220	5%	1/10W
R1526	1-216-813-11	METAL CHIP	220	5%	1/10W
R1527	1-216-813-11	METAL CHIP	220	5%	1/10W
R1528	1-216-813-11	METAL CHIP	220	5%	1/10W
R1531	1-216-813-11	METAL CHIP	220	5%	1/10W
R1532	1-216-813-11	METAL CHIP	220	5%	1/10W
R1533	1-216-813-11	METAL CHIP	220	5%	1/10W
R1534	1-216-813-11	METAL CHIP	220	5%	1/10W
R1535	1-216-813-11	METAL CHIP	220	5%	1/10W
R1536	1-216-813-11	METAL CHIP	220	5%	1/10W
R1537	1-216-813-11	METAL CHIP	220	5%	1/10W
R1538	1-216-813-11	METAL CHIP	220	5%	1/10W
R1539	1-216-813-11	METAL CHIP	220	5%	1/10W
R1540	1-216-813-11	METAL CHIP	220	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1542	1-216-813-11	METAL CHIP	220	5%	1/10W
R1543	1-216-813-11	METAL CHIP	220	5%	1/10W
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W
R1554	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

< VIBRATOR >

X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)	
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)	

DIGITAL **DISPLAY** **HEADPHONE** **MAIN**

Ref. No.	Part No.	Description			Remark
X1502	1-813-276-21	QUARTZ CRYSTAL (13.9MHz)			
**********					
	A-1156-368-A	DISPLAY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C100	1-135-798-11	CERAMIC	0.22uF		50V
C101	1-135-798-11	CERAMIC	0.22uF		50V
C108	1-135-798-11	CERAMIC	0.22uF		50V
C109	1-135-798-11	CERAMIC	0.22uF		50V
C110	1-127-868-11	CERAMIC	2200PF	10%	50V
C111	1-162-282-31	CERAMIC	100PF	10%	50V
C112	1-162-282-31	CERAMIC	100PF	10%	50V
C114	1-135-798-11	CERAMIC	0.22uF		50V
C115	1-124-261-00	ELECT	10uF	20%	50V
C132	1-162-286-31	CERAMIC	220PF	10%	50V
C133	1-162-286-31	CERAMIC	220PF	10%	50V
C134	1-162-286-31	CERAMIC	220PF	10%	50V
C135	1-162-286-31	CERAMIC	220PF	10%	50V
C136	1-162-286-31	CERAMIC	220PF	10%	50V
C137	1-162-286-31	CERAMIC	220PF	10%	50V
C138	1-162-286-31	CERAMIC	220PF	10%	50V
C139	1-162-286-31	CERAMIC	220PF	10%	50V
C140	1-162-286-31	CERAMIC	220PF	10%	50V
C141	1-162-286-31	CERAMIC	220PF	10%	50V
C142	1-162-286-31	CERAMIC	220PF	10%	50V
C143	1-162-286-31	CERAMIC	220PF	10%	50V
C144	1-135-798-11	CERAMIC	0.22uF		50V
C150	1-135-798-11	CERAMIC	0.22uF		50V
C151	1-124-261-00	ELECT	10uF	20%	50V
C152	1-162-286-31	CERAMIC	220PF	10%	50V
C153	1-162-286-31	CERAMIC	220PF	10%	50V
C154	1-162-286-31	CERAMIC	220PF	10%	50V
C155	1-135-798-11	CERAMIC	0.22uF		50V
C156	1-135-798-11	CERAMIC	0.22uF		50V
C157	1-135-798-11	CERAMIC	0.22uF		50V
		< CONNECTOR >			
CNP101	1-785-712-11	CONNECTOR, BOARD TO BOARD 4P			
CNS100	1-784-780-11	CONNECTOR, FFC 19P			
		< FLUORESCENT INDICATOR TUBE >			
FL101	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-243-51	IC TC74ACT08P			
IC102	6-600-174-01	IC RPM7240-H4			
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R150	1-249-440-11	CARBON	82K	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W
R172	1-247-807-31	CARBON	100	5%	1/4W
R173	1-247-807-31	CARBON	100	5%	1/4W
R174	1-247-807-31	CARBON	100	5%	1/4W
R175	1-249-393-11	CARBON	10	5%	1/4W
R198	1-249-381-11	CARBON	1	5%	1/4W
R199	1-249-381-11	CARBON	1	5%	1/4W
		< VARIABLE RESISTOR >			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
RV103	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S101	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
**********					
		HEADPHONE BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
CNP701	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< JACK >			
J700	1-815-314-21	JACK (PHONES)			
**********					
	A-1156-361-A	MAIN BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C402	1-126-964-11	ELECT	10uF	20%	50V
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V
C404	1-162-294-31	CERAMIC	0.001uF	10%	50V
C421	1-126-963-11	ELECT	4.7uF	20%	50V
C422	1-126-963-11	ELECT	4.7uF	20%	50V
C423	1-126-963-11	ELECT	4.7uF	20%	50V
C424	1-126-963-11	ELECT	4.7uF	20%	50V
C425	1-126-963-11	ELECT	4.7uF	20%	50V
C426	1-126-963-11	ELECT	4.7uF	20%	50V
C431	1-126-961-11	ELECT	2.2uF	20%	50V
C432	1-126-961-11	ELECT	2.2uF	20%	50V
C433	1-126-961-11	ELECT	2.2uF	20%	50V
C434	1-126-961-11	ELECT	2.2uF	20%	50V
C435	1-126-961-11	ELECT	2.2uF	20%	50V
C436	1-126-961-11	ELECT	2.2uF	20%	50V
C446	1-126-963-11	ELECT	4.7uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C471	1-104-658-91	ELECT	100uF	20%	10V
C472	1-127-888-11	CERAMIC	0.1uF	10%	50V
C482	1-127-888-11	CERAMIC	0.1uF	10%	50V
C484	1-127-888-11	CERAMIC	0.1uF	10%	50V
C500	1-128-579-11	ELECT	2.2uF	20%	100V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-128-809-11	CERAMIC	100PF	5%	50V
C504	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C507	1-104-658-91	ELECT	100uF	20%	10V
C508	1-126-947-11	ELECT	47uF	20%	35V
C511	1-162-815-11	CERAMIC	47PF	5%	500V

Ref. No.	Part No.	Description			Remark
C512	1-162-815-11	CERAMIC	47PF	5%	500V
C513	1-128-813-11	CERAMIC	220PF	5%	50V
C514	1-127-876-11	CERAMIC	0.01uF	10%	50V
C515	1-126-964-11	ELECT	10uF	20%	50V
C516	1-136-157-00	FILM	0.022uF	5%	50V
C529	1-127-876-11	CERAMIC	0.01uF	10%	50V
C549	1-127-876-11	CERAMIC	0.01uF	10%	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-128-809-11	CERAMIC	100PF	5%	50V
C553	1-128-809-11	CERAMIC	100PF	5%	50V
C554	1-102-233-00	CERAMIC	33PF	10%	500V
C556	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C557	1-104-658-91	ELECT	100uF	20%	10V
C558	1-126-947-11	ELECT	47uF	20%	35V
C561	1-162-815-11	CERAMIC	47PF	5%	500V
C562	1-162-815-11	CERAMIC	47PF	5%	500V
C563	1-128-813-11	CERAMIC	220PF	5%	50V
C564	1-127-876-11	CERAMIC	0.01uF	10%	50V
C565	1-126-964-11	ELECT	10uF	20%	50V
C566	1-136-157-00	FILM	0.022uF	5%	50V
C590	1-136-171-00	FILM	0.33uF	5%	50V
C592	1-136-175-00	FILM	0.68uF	5%	50V
C593	1-136-159-00	FILM	0.033uF	5%	50V
C594	1-137-190-91	FILM	0.22uF	5%	50V
C600	1-128-579-11	ELECT	2.2uF	20%	100V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C602	1-128-809-11	CERAMIC	100PF	5%	50V
C603	1-128-809-11	CERAMIC	100PF	5%	50V
C604	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C607	1-104-658-91	ELECT	100uF	20%	10V
C608	1-126-947-11	ELECT	47uF	20%	35V
C611	1-162-815-11	CERAMIC	47PF	5%	500V
C612	1-162-815-11	CERAMIC	47PF	5%	500V
C613	1-128-813-11	CERAMIC	220PF	5%	50V
C614	1-127-876-11	CERAMIC	0.01uF	10%	50V
C615	1-126-964-11	ELECT	10uF	20%	50V
C616	1-136-157-00	FILM	0.022uF	5%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C652	1-128-809-11	CERAMIC	100PF	5%	50V
C653	1-128-809-11	CERAMIC	100PF	5%	50V
C654	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C657	1-104-658-91	ELECT	100uF	20%	10V
C658	1-126-947-11	ELECT	47uF	20%	35V
C661	1-162-815-11	CERAMIC	47PF	5%	500V
C662	1-162-815-11	CERAMIC	47PF	5%	500V
C663	1-128-813-11	CERAMIC	220PF	5%	50V
C664	1-127-876-11	CERAMIC	0.01uF	10%	50V
C665	1-126-964-11	ELECT	10uF	20%	50V
C666	1-136-157-00	FILM	0.022uF	5%	50V
C700	1-128-579-11	ELECT	2.2uF	20%	100V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-128-809-11	CERAMIC	100PF	5%	50V
C703	1-128-809-11	CERAMIC	100PF	5%	50V
C704	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C707	1-104-658-91	ELECT	100uF	20%	10V
C708	1-126-947-11	ELECT	47uF	20%	35V
C711	1-162-815-11	CERAMIC	47PF	5%	500V
C712	1-162-815-11	CERAMIC	47PF	5%	500V
C713	1-128-813-11	CERAMIC	220PF	5%	50V
C714	1-127-876-11	CERAMIC	0.01uF	10%	50V
C715	1-126-964-11	ELECT	10uF	20%	50V
C716	1-136-157-00	FILM	0.022uF	5%	50V
C729	1-127-876-11	CERAMIC	0.01uF	10%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-128-809-11	CERAMIC	100PF	5%	50V
C753	1-128-809-11	CERAMIC	100PF	5%	50V
C754	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C757	1-104-658-91	ELECT	100uF	20%	10V
C758	1-126-947-11	ELECT	47uF	20%	35V
C761	1-162-815-11	CERAMIC	47PF	5%	500V
C762	1-162-815-11	CERAMIC	47PF	5%	500V
C763	1-128-813-11	CERAMIC	220PF	5%	50V
C766	1-136-157-00	FILM	0.022uF	5%	50V
C801	1-135-798-11	CERAMIC	0.22uF		50V
C802	1-135-798-11	CERAMIC	0.22uF		50V
C803	1-126-936-11	ELECT	3300uF	20%	16V
C806	1-126-947-11	ELECT	47uF	20%	35V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C811	1-136-497-81	FILM	0.1uF	5%	50V
C812	1-136-497-81	FILM	0.1uF	5%	50V
C813	1-100-968-11	ELECT	4700uF	20%	63V
C814	1-100-968-11	ELECT	4700uF	20%	63V
C815	1-128-582-11	ELECT	10uF	20%	100V
C816	1-128-582-11	ELECT	10uF	20%	100V
C821	1-127-888-11	CERAMIC	0.1uF	10%	50V
C822	1-127-888-11	CERAMIC	0.1uF	10%	50V
C823	1-126-947-11	ELECT	47uF	20%	35V
C824	1-126-947-11	ELECT	47uF	20%	35V
C842	1-112-128-11	ELECT	47uF	20%	25V
C851	1-127-888-11	CERAMIC	0.1uF	10%	50V
C881	1-126-934-11	ELECT	220uF	20%	16V
C882	1-126-964-11	ELECT	10uF	20%	50V

< CONNECTOR >

	CN504	1-779-978-11	PIN, CONNECTOR 3P
	CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P
*	CNP502	1-766-715-11	CONNECTOR, BOARD TO BOARD 10P
	CNP503	1-779-799-11	PIN, CONNECTOR 9P
	CNP732	1-564-506-11	PLUG, CONNECTOR 3P
*	CNP901	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P
	CNP902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P
	CNP916	1-766-200-11	SOCKET, CONNECTOR PIN 5P

< DIODE >

	D448	8-719-991-33	DIODE 1SS133T-77
	D449	8-719-991-33	DIODE 1SS133T-77
	D501	8-719-991-33	DIODE 1SS133T-77
	D502	8-719-991-33	DIODE 1SS133T-77
	D503	8-719-991-33	DIODE 1SS133T-77

MAIN

Ref. No.	Part No.	Description	Remark
D529	8-719-991-33	DIODE 1SS133T-77	
D549	8-719-991-33	DIODE 1SS133T-77	
D551	8-719-991-33	DIODE 1SS133T-77	
D552	8-719-991-33	DIODE 1SS133T-77	
D601	8-719-991-33	DIODE 1SS133T-77	
D602	8-719-991-33	DIODE 1SS133T-77	
D603	8-719-991-33	DIODE 1SS133T-77	
D651	8-719-991-33	DIODE 1SS133T-77	
D652	8-719-991-33	DIODE 1SS133T-77	
D701	8-719-991-33	DIODE 1SS133T-77	
D702	8-719-991-33	DIODE 1SS133T-77	
D703	8-719-991-33	DIODE 1SS133T-77	
D729	8-719-991-33	DIODE 1SS133T-77	
D751	8-719-991-33	DIODE 1SS133T-77	
D752	8-719-991-33	DIODE 1SS133T-77	
D791	8-719-991-33	DIODE 1SS133T-77	
D802	8-719-068-28	DIODE HZ6.8BP-TK	
D804	6-500-522-11	DIODE 10EDB40-TA2B5	
D805	6-500-522-11	DIODE 10EDB40-TA2B5	
D806	6-500-522-11	DIODE 10EDB40-TA2B5	
D807	6-500-522-11	DIODE 10EDB40-TA2B5	
D811	8-719-072-05	DIODE RBV-602LF-A	
D821	8-719-043-76	DIODE AK04V0	
D841	8-719-921-48	DIODE MTZJ-5.6C	
D851	8-719-991-33	DIODE 1SS133T-77	
D861	8-719-991-33	DIODE 1SS133T-77	
D881	8-719-991-33	DIODE 1SS133T-77	
D882	8-719-991-33	DIODE 1SS133T-77	
D883	8-719-991-33	DIODE 1SS133T-77	
		< IC >	
IC400	6-707-169-01	IC M61542FP	
IC501	6-600-450-01	IC STK350-530-E	
IC502	8-759-167-88	IC NJM4565D	
IC601	6-600-450-01	IC STK350-530-E	
IC701	6-600-450-01	IC STK350-530-E	
IC821	8-759-071-48	IC TA7807S	
IC822	8-759-071-47	IC TA79007S	
IC850	8-759-167-88	IC NJM4565D	
		< JACK >	
J400	1-774-411-11	JACK, PIN 6P (SA-CD/CD/DVD/VIDEO 2)	
J402	1-815-045-11	JACK, PIN 2P (VIDEO 1)	
		< COIL >	
L501	1-420-872-52	COIL, AIR-CORE	
L551	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q471	8-729-922-37	TRANSISTOR 2SD2144S-UVW	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q506	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q507	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q508	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q509	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q551	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q552	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q555	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q556	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q557	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q560	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q606	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q607	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q608	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q657	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q707	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
Q851	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q852	8-729-029-40	TRANSISTOR DTA124ESA	
Q860	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q861	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q862	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q881	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q882	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q883	8-729-140-85	TRANSISTOR 2SC1841TP-PAFAEA	
		< RESISTOR >	
R401	1-247-831-91	CARBON 1K 5% 1/4W	
R402	1-247-831-91	CARBON 1K 5% 1/4W	
R403	1-247-831-91	CARBON 1K 5% 1/4W	
R404	1-247-831-91	CARBON 1K 5% 1/4W	
R406	1-247-807-31	CARBON 100 5% 1/4W	
R407	1-247-807-31	CARBON 100 5% 1/4W	
R416	1-247-831-91	CARBON 1K 5% 1/4W	
R449	1-247-831-91	CARBON 1K 5% 1/4W	
R451	1-247-831-91	CARBON 1K 5% 1/4W	
R452	1-247-831-91	CARBON 1K 5% 1/4W	
R453	1-247-831-91	CARBON 1K 5% 1/4W	
R454	1-247-831-91	CARBON 1K 5% 1/4W	
R469	1-247-831-91	CARBON 1K 5% 1/4W	
R471	1-249-415-11	CARBON 680 5% 1/4W	
R472	1-247-831-91	CARBON 1K 5% 1/4W	
R473	1-249-421-11	CARBON 2.2K 5% 1/4W	

Ref. No.	Part No.	Description			Remark
R479	1-249-421-11	CARBON	2.2K	5%	1/4W
R500	1-247-871-91	CARBON	47K	5%	1/4W
R501	1-247-831-91	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-422-11	CARBON	2.7K	5%	1/4W
R504	1-249-439-11	CARBON	68K	5%	1/4W
R505	1-249-421-11	CARBON	2.2K	5%	1/4W
R506	1-249-440-11	CARBON	82K	5%	1/4W
R507	1-249-414-11	CARBON	560	5%	1/4W
⚠R508	1-249-405-11	CARBON	100	5%	1/4W
⚠R509	1-249-405-11	CARBON	100	5%	1/4W
⚠R510	1-234-182-11	ENCAPSULATED COMPONENT			
R511	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R512	1-240-855-81	CARBON	6.2K	5%	1/4W
R513	1-249-419-11	CARBON	1.5K	5%	1/4W
R514	1-249-431-11	CARBON	15K	5%	1/4W
R515	1-247-863-91	CARBON	22K	5%	1/4W
R516	1-247-843-11	CARBON	3.3K	5%	1/4W
R517	1-249-431-11	CARBON	15K	5%	1/4W
R518	1-247-863-91	CARBON	22K	5%	1/4W
R519	1-247-863-91	CARBON	22K	5%	1/4W
R520	1-249-439-11	CARBON	68K	5%	1/4W
⚠R521	1-249-393-11	CARBON	10	5%	1/4W
R522	1-247-871-91	CARBON	47K	5%	1/4W
⚠R524	1-249-404-00	CARBON	82	5%	1/4W
R525	1-249-421-11	CARBON	2.2K	5%	1/4W
R529	1-259-468-61	CARBON	47K	5%	1/6W
R531	1-215-868-00	METAL OXIDE	680	5%	1W
R532	1-215-868-00	METAL OXIDE	680	5%	1W
R539	1-259-476-61	CARBON	100K	5%	1/6W
R549	1-259-468-61	CARBON	47K	5%	1/6W
R550	1-259-476-61	CARBON	100K	5%	1/6W
R551	1-247-831-91	CARBON	1K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-422-11	CARBON	2.7K	5%	1/4W
R554	1-249-439-11	CARBON	68K	5%	1/4W
R555	1-249-421-11	CARBON	2.2K	5%	1/4W
R556	1-249-440-11	CARBON	82K	5%	1/4W
R557	1-249-414-11	CARBON	560	5%	1/4W
⚠R558	1-249-405-11	CARBON	100	5%	1/4W
⚠R559	1-249-405-11	CARBON	100	5%	1/4W
⚠R560	1-234-182-11	ENCAPSULATED COMPONENT			
R561	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R562	1-240-855-81	CARBON	6.2K	5%	1/4W
R563	1-249-419-11	CARBON	1.5K	5%	1/4W
R564	1-249-431-11	CARBON	15K	5%	1/4W
R565	1-247-863-91	CARBON	22K	5%	1/4W
R566	1-247-843-11	CARBON	3.3K	5%	1/4W
R567	1-249-431-11	CARBON	15K	5%	1/4W
R568	1-247-863-91	CARBON	22K	5%	1/4W
R569	1-247-863-91	CARBON	22K	5%	1/4W
R570	1-249-439-11	CARBON	68K	5%	1/4W
⚠R571	1-249-393-11	CARBON	10	5%	1/4W
R572	1-247-871-91	CARBON	47K	5%	1/4W
R591	1-249-421-11	CARBON	2.2K	5%	1/4W
R593	1-247-874-11	CARBON	62K	5%	1/4W
R594	1-247-863-91	CARBON	22K	5%	1/4W
R595	1-249-427-11	CARBON	6.8K	5%	1/4W
R596	1-249-427-11	CARBON	6.8K	5%	1/4W
R597	1-247-887-00	CARBON	220K	5%	1/4W
R600	1-247-871-91	CARBON	47K	5%	1/4W
R601	1-247-831-91	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-422-11	CARBON	2.7K	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R605	1-249-421-11	CARBON	2.2K	5%	1/4W
R606	1-249-440-11	CARBON	82K	5%	1/4W
R607	1-249-414-11	CARBON	560	5%	1/4W
⚠R608	1-249-405-11	CARBON	100	5%	1/4W
⚠R609	1-249-405-11	CARBON	100	5%	1/4W
⚠R610	1-234-182-11	ENCAPSULATED COMPONENT			
R611	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R612	1-240-855-81	CARBON	6.2K	5%	1/4W
R613	1-249-419-11	CARBON	1.5K	5%	1/4W
R614	1-249-431-11	CARBON	15K	5%	1/4W
R615	1-247-863-91	CARBON	22K	5%	1/4W
R616	1-247-843-11	CARBON	3.3K	5%	1/4W
R617	1-249-431-11	CARBON	15K	5%	1/4W
R618	1-247-863-91	CARBON	22K	5%	1/4W
R619	1-247-863-91	CARBON	22K	5%	1/4W
R620	1-249-439-11	CARBON	68K	5%	1/4W
⚠R621	1-249-393-11	CARBON	10	5%	1/4W
R622	1-247-871-91	CARBON	47K	5%	1/4W
⚠R624	1-249-404-00	CARBON	82	5%	1/4W
R625	1-249-421-11	CARBON	2.2K	5%	1/4W
R651	1-247-831-91	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-422-11	CARBON	2.7K	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W
R655	1-249-421-11	CARBON	2.2K	5%	1/4W
R656	1-249-440-11	CARBON	82K	5%	1/4W
R657	1-249-414-11	CARBON	560	5%	1/4W
⚠R658	1-249-405-11	CARBON	100	5%	1/4W
⚠R659	1-249-405-11	CARBON	100	5%	1/4W
⚠R660	1-234-182-11	ENCAPSULATED COMPONENT			
R661	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R662	1-240-855-81	CARBON	6.2K	5%	1/4W
R663	1-249-419-11	CARBON	1.5K	5%	1/4W
R664	1-249-431-11	CARBON	15K	5%	1/4W
R665	1-247-863-91	CARBON	22K	5%	1/4W
R666	1-247-843-11	CARBON	3.3K	5%	1/4W
R667	1-249-431-11	CARBON	15K	5%	1/4W
R668	1-247-863-91	CARBON	22K	5%	1/4W
R669	1-247-863-91	CARBON	22K	5%	1/4W
R670	1-249-439-11	CARBON	68K	5%	1/4W
⚠R671	1-249-393-11	CARBON	10	5%	1/4W
R672	1-247-871-91	CARBON	47K	5%	1/4W
R700	1-247-871-91	CARBON	47K	5%	1/4W
R701	1-247-831-91	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-422-11	CARBON	2.7K	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-421-11	CARBON	2.2K	5%	1/4W
R706	1-249-440-11	CARBON	82K	5%	1/4W
R707	1-249-414-11	CARBON	560	5%	1/4W

MAIN **POWER** **STANDBY**

Ref. No.	Part No.	Description			Remark
⚠R708	1-249-405-11	CARBON	100	5%	1/4W
⚠R709	1-249-405-11	CARBON	100	5%	1/4W
⚠R710	1-234-182-11	ENCAPSULATED COMPONENT			
R711	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R712	1-240-855-81	CARBON	6.2K	5%	1/4W
R713	1-249-419-11	CARBON	1.5K	5%	1/4W
R714	1-249-431-11	CARBON	15K	5%	1/4W
R715	1-247-863-91	CARBON	22K	5%	1/4W
R716	1-247-843-11	CARBON	3.3K	5%	1/4W
R717	1-249-431-11	CARBON	15K	5%	1/4W
R718	1-247-863-91	CARBON	22K	5%	1/4W
R719	1-247-863-91	CARBON	22K	5%	1/4W
R720	1-249-439-11	CARBON	68K	5%	1/4W
⚠R721	1-249-393-11	CARBON	10	5%	1/4W
R722	1-247-871-91	CARBON	47K	5%	1/4W
⚠R724	1-249-404-00	CARBON	82	5%	1/4W
R725	1-249-421-11	CARBON	2.2K	5%	1/4W
R729	1-259-468-61	CARBON	47K	5%	1/6W
R740	1-259-476-61	CARBON	100K	5%	1/6W
R751	1-247-831-91	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-419-11	CARBON	1.5K	5%	1/4W
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-249-421-11	CARBON	2.2K	5%	1/4W
R756	1-249-440-11	CARBON	82K	5%	1/4W
R757	1-249-414-11	CARBON	560	5%	1/4W
⚠R758	1-249-405-11	CARBON	100	5%	1/4W
⚠R759	1-249-405-11	CARBON	100	5%	1/4W
⚠R760	1-234-182-11	ENCAPSULATED COMPONENT			
R761	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R762	1-240-855-81	CARBON	6.2K	5%	1/4W
R763	1-249-419-11	CARBON	1.5K	5%	1/4W
R764	1-249-431-11	CARBON	15K	5%	1/4W
R765	1-247-863-91	CARBON	22K	5%	1/4W
R766	1-247-863-91	CARBON	22K	5%	1/4W
R770	1-249-439-11	CARBON	68K	5%	1/4W
⚠R771	1-249-393-11	CARBON	10	5%	1/4W
R772	1-247-871-91	CARBON	47K	5%	1/4W
⚠R773	1-249-389-11	CARBON	4.7	5%	1/4W
R780	1-247-847-91	CARBON	4.7K	5%	1/4W
R783	1-247-871-91	CARBON	47K	5%	1/4W
R791	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R793	1-249-404-00	CARBON	82	5%	1/4W
⚠R802	1-249-409-11	CARBON	220	5%	1/4W
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-91	CARBON	22K	5%	1/4W
⚠R815	1-249-381-11	CARBON	1	5%	1/4W
⚠R816	1-249-381-11	CARBON	1	5%	1/4W
R840	1-259-448-61	CARBON	6.8K	5%	1/6W
R843	1-259-460-61	CARBON	22K	5%	1/6W
R844	1-259-460-61	CARBON	22K	5%	1/6W
R851	1-249-429-11	CARBON	10K	5%	1/4W
R852	1-249-429-11	CARBON	10K	5%	1/4W
R853	1-249-429-11	CARBON	10K	5%	1/4W
R854	1-249-435-11	CARBON	33K	5%	1/4W
R855	1-247-887-00	CARBON	220K	5%	1/4W
R856	1-247-895-00	CARBON	470K	5%	1/4W
R857	1-249-429-11	CARBON	10K	5%	1/4W
R862	1-247-895-00	CARBON	470K	5%	1/4W
R863	1-249-429-11	CARBON	10K	5%	1/4W
R864	1-247-871-91	CARBON	47K	5%	1/4W
R865	1-249-429-11	CARBON	10K	5%	1/4W
R882	1-249-429-11	CARBON	10K	5%	1/4W
R883	1-249-427-11	CARBON	6.8K	5%	1/4W
R884	1-249-436-11	CARBON	39K	5%	1/4W
R885	1-247-831-91	CARBON	1K	5%	1/4W
⚠R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W
		< RELAY >			
RY501	1-755-416-12	RELAY			
RY502	1-755-416-12	RELAY			
RY601	1-755-416-12	RELAY			
RY701	1-755-416-12	RELAY			
		< TERMINAL >			
TM600	1-694-805-11	TERMINAL BOARD (FRONT/CENTER-SPEAKER IMPEDANCE 6-16Ω)			
TM601	1-694-805-11	TERMINAL BOARD (SURROUND SUB WOOFER-SPEAKER IMPEDANCE 6-16Ω)			
**********					
		POWER BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
CNP102	1-785-713-11	CONNECTOR, BOARD TO BOARD 4P			
		< RESISTOR >			
R115	1-249-409-11	CARBON	220	5%	1/4W
R116	1-249-411-11	CARBON	330	5%	1/4W
R117	1-249-413-11	CARBON	470	5%	1/4W
R118	1-249-411-11	CARBON	330	5%	1/4W
R119	1-249-413-11	CARBON	470	5%	1/4W
		< SWITCH >			
S114	1-771-410-21	SWTICH, TACTILE (DIMMER)			
S115	1-771-410-21	SWTICH, TACTILE (SLEEP)			
S116	1-771-410-21	SWTICH, TACTILE (2CH)			
S117	1-771-410-21	SWTICH, TACTILE (A.F.D.)			
S118	1-771-410-21	SWTICH, TACTILE (MOVIE)			
S119	1-771-410-21	SWTICH, TACTILE (MUSIC)			
S152	1-771-410-21	SWTICH, TACTILE (**I**/⏻)			
**********					
	A-1156-365-A	STANDBY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C901	1-135-798-11	CERAMIC	0.22uF		50V
C902	1-135-798-11	CERAMIC	0.22uF		50V
C911	1-135-798-11	CERAMIC	0.22uF		50V
C912	1-135-798-11	CERAMIC	0.22uF		50V
C913	1-126-959-11	ELECT	0.47uF	20%	50V
C914	1-126-936-11	ELECT	3300uF	20%	16V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CNP801	1-784-922-11	PIN, CONNECTOR 5P			
CNP900	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP903	1-564-506-11	PLUG, CONNECTOR 3P			
CNP904	1-794-577-21	PIN, CONNECTOR (POWER)			
CNP906	1-766-203-11	PLUG, CONNECTOR PIN (PC BOARD) 5P			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77			
D910	6-500-522-11	DIODE 10EDB40-TA2B5			
D911	6-500-522-11	DIODE 10EDB40-TA2B5			
D912	6-500-522-11	DIODE 10EDB40-TA2B5			
D913	6-500-522-11	DIODE 10EDB40-TA2B5			
D914	8-719-991-33	DIODE 1SS133T-77			
D915	8-719-991-33	DIODE 1SS133T-77			
D920	6-500-522-11	DIODE 10EDB40-TA2B5			
D921	6-500-522-11	DIODE 10EDB40-TA2B5			
D922	6-500-522-11	DIODE 10EDB40-TA2B5			
D923	6-500-522-11	DIODE 10EDB40-TA2B5			
		< FUSE HOLDER >			
FH902	1-533-217-41	HOLDER, FUSE			
FH952	1-533-217-41	HOLDER, FUSE			
		< GROUND TERMINAL >			
G901	1-537-738-21	TERMINAL, GROUND			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q911	8-729-119-78	TRANSISTOR	2SC2785-HFE		
		< RESISTOR >			
⚠R810	1-243-634-91	FUSIBLE	0.22	5% 1/2W	
⚠R812	1-243-634-91	FUSIBLE	0.22	5% 1/2W	
⚠R900	1-219-237-91	SOLID	3.3M	20% 1/2W	
R903	1-247-871-91	CARBON	47K	5% 1/4W	
R904	1-247-847-91	CARBON	4.7K	5% 1/4W	
⚠R905	1-249-381-11	CARBON	1	5% 1/4W	
R911	1-247-871-91	CARBON	47K	5% 1/4W	
R912	1-249-435-11	CARBON	33K	5% 1/4W	
R913	1-249-429-11	CARBON	10K	5% 1/4W	
		< RELAY >			
⚠RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
T902	1-443-516-11	POWER TRANSFORMER (SUB)			
**********					
		MISCELLANEOUS			
		**********			
7	1-829-004-11	WIRE (FLAT TYPE) (19 CORE)			
⚠57	1-783-532-11	CORD, POWER			
60	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)			
⚠F901	1-533-452-11	FUSE, GLASS TUBE (DIA. 5) (4A/125V)			
Q503	6-702-390-01	IC MN2488-OPY-MK			
Q504	6-702-391-01	IC MP1620-OPY-MK			
Q553	6-702-390-01	IC MN2488-OPY-MK			
Q554	6-702-391-01	IC MP1620-OPY-MK			
Q603	6-702-390-01	IC MN2488-OPY-MK			
Q604	6-702-391-01	IC MP1620-OPY-MK			
Q653	6-702-390-01	IC MN2488-OPY-MK			
Q654	6-702-391-01	IC MP1620-OPY-MK			
Q703	6-702-390-01	IC MN2488-OPY-MK			
Q704	6-702-391-01	IC MP1620-OPY-MK			
Q753	6-702-390-01	IC MN2488-OPY-MK			
Q754	6-702-391-01	IC MP1620-OPY-MK			
⚠T901	1-443-909-11	POWER TRANSFORMER (MAIN)			
TN1	1-693-675-21	TUNER			

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2006.01	New